

Table of Curriculum(Graduate Program)

| Classification | Course No. | Computer Code | Course Name | Lecture: Lab: Credit (Assignment) | Semster | Note |
|----------------|------------|--|--|-----------------------------------|-----------------|------|
| 선 택 | ME509 | B7.509 | Engineering Mechanics in Ocean Systems | 4:0:4 | Spring | ◎ |
| | ME522 | B7.522 | Flow Instability | 3:0:3 | Fall | ◎ |
| | ME523 | B7.523 | Introduction to Fluid-Structure Interactions | 3:0:3 | Spring | ◎ |
| | ME524 | B7.524 | Ocean Hydrodynamics | 3:0:3 | Spring | ◎ |
| | ME532 | B7.532 | Advanced analysis of solids and structures | 3:0:3 | Spring | ◎ |
| | ME535 | B7.535 | Finite Element Analysis of Structures | 3:0:3 | Fall | ◎ |
| | ME538 | B7.538 | Ocean Systems Design | 3:0:3 | Spring, Fall | ◎ |
| | ME539 | B7.539 | Design of Energy Plants and Systems | 3:0:3 | Fall | ◎ |
| | ME540 | B7.540 | Stochastic Theory of Structure System | 3:0:3 | Spring | ◎ |
| | ME541 | B7.541 | Reliability and Risk Analysis for Energy Systems | 3:0:3 | Spring | ◎ |
| | ME548 | B7.548 | Knowledge - Based Design System for Ocean System | 3:1:3(6) | Spring | ◎ |
| | ME555 | B7.555 | Vibration of Offshore Structures | 3:0:3 | Fall(Even Year) | ◎ |
| | ME556 | B7.556 | Underwater Acoustics | 3:0:3 | Fall | ◎ |
| | ME558 | B7.558 | Dynamics of Offshore Structures | 3:0:3 | Spring, Fall | ◎ |
| | ME559 | B7.559 | Dynamics and Control of Ocean Vehicles | 3:0:3 | Spring, Fall | ◎ |
| | ME568 | B7.568 | Ocean VR Simulation | 3:0:3 | Fall | ◎ |
| | ME571 | B7.571 | Marine Production Systems Engineering | 3:0:3 | Spring | ◎ |
| | ME590 | B7.590 | Ocean System Innovation | 3:0:3 | Spring, Fall | ◎ |
| | ME593 | B7.593 | Harbor Engineering | 3:0:3 | Fall | ◎ |
| | ME594 | B7.594 | Ocean Systems Engineering | 3:0:3 | Spring | ◎ |
| | ME595 | B7.595 | Ocean Systems Management | 3:0:3 | Spring | ◎ |
| | ME596 | B7.596 | Shipbuilding and Offshore Plants Management System | 3:0:3 | Spring | ◎ |
| | ME597 | B7.597 | Renewable Ocean Energy System | 3:0:3 | Spring | ◎ |
| ME598 | B7.598 | Ocean Nuclear Power: A Challenging Pursuit for Energy Solution | 3:0:3 | Spring | ◎ | |
| ME620 | B7.620 | Advanced Ocean Wave Mechanics | 3:0:3 | Spring, Fall | | |
| ME622 | B7.622 | Floating Body Dynamics | 3:0:3 | Spring | | |

| Classification | Course No. | Computer Code | Course Name | Lecture: Lab: Credit (Assignment) | Semster | Note |
|----------------|------------|---------------|---|-----------------------------------|----------------|------|
| | ME624 | B7.624 | Simulation of Ship Hydrodynamics and Waves | 3:0:3 | Spring | |
| | ME630 | B7.630 | Deepsea Petroleum Production Engineering | 4:0:4 | Fall | |
| | ME634 | B7.634 | Functional Materials and Structures | 3:0:3 | Fall | |
| | ME652 | B7.652 | Mobile Robotics | 3:0:3 | Spring | |
| | ME658 | B7.658 | Engineering System Identification | 3:0:3 | Spring, Fall | |
| | ME670 | B7.670 | Construction of Offshore Structures | 2:0:2 | Summer, Winter | |
| | ME671 | B7.671 | Product Lifecycle Management System for Ocean System | 3:1:3 | Spring | |
| | ME803 | B7.803 | Special Topics in Ocean Systems Engineering | 3:0:3 | Spring, Fall | |
| | ME804 | B7.804 | Special Topics and Design Laboratory of Ocean Systems Engineering | 2:3:3 | Summer, Winter | |
| 연구 | ME960 | B7.960 | M.S. Thesis | | Spring, Fall | |
| | ME966 | B7.966 | Seminar (M.S. Program) | 1:0:1 | Spring, Fall | |
| | ME968 | B7.968 | Seminar of Career Planning for Ocean Engineering | 1:0:1 | Spring, Fall | |
| | ME980 | B7.980 | Ph.D. Thesis | | Spring, Fall | |
| | ME986 | B7.986 | Seminar (Ph.D.) | 1:0:1 | Spring, Fall | |

© A course mutually recognized by undergraduate and graduate programs.

Substitute Course List

| Substitute courses in the department | | | | | |
|--------------------------------------|---------------------------|---|-------------------------------|--|------------------------|
| Category | Courses currently offered | | Courses not currently offered | | |
| | Course no. | Course title | Course no | Course title | Remark |
| Under-graduate | ME403 | (Introduction to Naval Architecture and Ocean Engineering | OSE503 | Introduction to Naval Architecture and Ocean Engineering | Change in Course Code |
| Graduate | ME509 | Engineering Mechanics in Ocean Systems | OSE504 | Engineering Mechanics in Ocean Systems | Change in Course Code |
| Graduate | ME522 | Flow Instability | ME522 | Water Wave Mechanics | Change in Course Title |
| Graduate | ME523 | Introduction to Fluid-Structure Interactions | OSE522 | Introduction to Fluid-Structure Interactions | Change in Course Code |
| Graduate | ME524 | Ocean Hydrodynamics | OSE523 | Ocean Hydrodynamics | Change in Course Code |
| Graduate | ME532 | Advanced analysis of solids and structures | OSE530 | Advanced analysis of solids and structures | Change in Course Code |
| Graduate | ME535 | Finite Element Analysis of Structures | OSE532 | Finite Element Analysis of Structures | Change in Course Code |
| Graduate | ME538 | Ocean Systems Design | OSE573 | Ocean Systems Design | Change in Course Code |
| Graduate | ME539 | Design of Energy Plants and Systems | OSE571 | Design of Energy Plants and Systems | Change in Course Code |
| Graduate | ME540 | Stochastic Theory of Structure System | OSE541 | Stochastic Theory of Structure System | Change in Course Code |
| Graduate | ME541 | Reliability and Risk Analysis for Energy Systems | OSE551 | Reliability and Risk Analysis for Energy Systems | Change in Course Code |
| Graduate | ME548 | Knowledge - Based Design System for Ocean System | OSE572 | Knowledge - Based Design System for Ocean System | Change in Course Code |
| Graduate | ME555 | Vibration of Offshore Structures | OSE544 | Vibration of Offshore Structures | Change in Course Code |
| Graduate | ME556 | Underwater Acoustics | OSE545 | Underwater Acoustics | Change in Course Code |
| Graduate | ME558 | Dynamics of Offshore Structures | OSE542 | Dynamics of Offshore Structures | Change in Course Code |
| Graduate | ME559 | Dynamics and Control of Ocean Vehicles | OSE543 | Dynamics and Control of Ocean Vehicles | Change in Course Code |
| Graduate | ME568 | Ocean VR Simulation | OSE555 | Ocean VR Simulation | Change in Course Code |
| Graduate | ME571 | Marine Production Systems Engineering | OSE560 | Marine Production Systems Engineering | Change in Course Code |
| Graduate | ME590 | Ocean System Innovation | OSE574 | Ocean System Innovation | Change in Course Code |
| Graduate | ME593 | Harbor Engineering | OSE553 | Harbor Engineering | Change in Course Code |
| Graduate | ME594 | Ocean Systems Engineering | OSE550 | Ocean Systems Engineering | Change in Course Code |
| Graduate | ME595 | Ocean Systems Management | OSE561 | Ocean Systems Management | Change in Course Code |

Substitute courses in the department

| Category | Courses currently offered | | Courses not currently offered | | |
|----------|---------------------------|---|-------------------------------|---|------------------------|
| | Course no. | Course title | Course no | Course title | Remark |
| Graduate | ME596 | Shipbuilding and Offshore Plants Management System | OSE562 | Shipbuilding and Offshore Plants Management System | Change in Course Code |
| Graduate | ME597 | Renewable ocean energy system | ME597 | Introduction to renewable ocean energy | Change in Course Title |
| Graduate | ME598 | Ocean Nuclear Power: A Challenging Pursuit for Energy Solution | OSE581 | Ocean Nuclear Power: A Challenging Pursuit for Energy Solution | Change in Course Code |
| Graduate | ME620 | Advanced Ocean Wave Mechanics | OSE620 | Advanced Ocean Wave Mechanics | Change in Course Code |
| Graduate | ME622 | Floating Body Dynamics | OSE621 | Floating Body Dynamics | Change in Course Code |
| Graduate | ME624 | Simulation of Ship Hydrodynamics and Waves | OSE623 | Simulation of Ship Hydrodynamics and Waves | Change in Course Code |
| Graduate | ME630 | Deepsea Petroleum Production Engineering | OSE610 | Deepsea Petroleum Production Engineering | Change in Course Code |
| Graduate | ME634 | Functional Materials and Structures | OSE633 | Functional Materials and Structures | Change in Course Code |
| Graduate | ME652 | Mobile Robotics | ME652 | Ocean Robotics: Techniques and Application | Change in Course Title |
| Graduate | ME658 | Engineering System Identification | OSE801 | Engineering System Identification | Change in Course Code |
| Graduate | ME670 | Construction of Offshore Structures | OSE632 | Construction of Offshore Structures | Change in Course Code |
| Graduate | ME671 | Product Lifecycle Management System for Ocean System | OSE670 | Product Lifecycle Management System for Ocean System | Change in Course Code |
| Graduate | ME803 | Special Topics in Ocean Systems Engineering | OSE800 | Special Topics in Ocean Systems Engineering | Change in Course Code |
| Graduate | ME804 | Special Topics and Design Laboratory of Ocean Systems Engineering | OSE802 | Special Topics and Design Laboratory of Ocean Systems Engineering | Change in Course Code |
| Graduate | ME968 | Seminar of Career Planning for Ocean Engineering | OSE968 | Seminar of Career Planning for Ocean Engineering | Change in Course Code |