Curriculum Policy of Graduate School of Marine Science and Technology

1. Policy for organizing the curriculum
At the Graduate School of Marine Science and Technology, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
Master's Course
(1) Expert knowledge
We aim that students acquire a wide range of specialized knowledge through specialized class subjects in the affiliation major fields, seminar/experiment/practicum subjects that focus on active learning and subjects pertaining to their dissertation research. Furthermore, we have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(2) Rich internationality and wide-ranging education
We aim that students acquire international specialized knowledge and improve their ability to disseminate information in English through English classes. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge.
(3) Ability to think, judge and express by oneself
We require students to write a master's thesis and give a presentation so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

Doctoral Course
(1) Expert knowledge
Students will acquire advanced specialized knowledge through highly specialized lecture subjects in their field of study and subjects related to their dissertation research.
(2) Rich internationality and wide-ranging education
We require students to take common courses and joint seminars for acquiring interdisciplinary knowledge. We also encourage them to write papers in English to improve their ability to disseminate information in English.
(3) Ability to think and judge by oneself
We require students to write a doctoral thesis and give a presentation in order to accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also offer courses for career development after completing graduate school with the aim of improving students' ability to contribute to society, including international society and industry. The education program related to researcher ethics will be a compulsory subject upon admission.
(4) Practical skills that can be used on site
We offer a variety of internships and coursework that help students to gain a wide range of social experiences both inside and outside the university in order to improve their practical skills in society.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Marine Life Sciences

1. Policy for organizing the curriculum
At the Course of Marine Life Sciences, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students acquire a wide range of specialized knowledge on basic and applied science of marine life through specialized class subjects in the affiliation major fields, seminar/experiment/practicum subjects that focus on active learning and subjects pertaining to dissertation research.
(2) Rich internationality and wide-ranging education
We aim that students acquire international specialized knowledge and improve their ability to disseminate information in English through English classes. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge. We have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(3) Ability to think and judge by oneself
We require students to write a master's thesis and give a presentation in order to accomplish their own highly novel research related to basic and applied science of marine life based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through subjects pertaining to dissertation research, we aim that students improve their ability to independently come up with ideas by tackling their own challenges using their specialized knowledge. Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Food Science and Technology

Policy for organizing the curriculum
At the Course of Food Science and Technology, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students acquire a wide range of specialized knowledge through specialized class subjects related to advanced basic and applied science of food, seminar/experiment/practicum subjects that focus on active learning and subjects pertaining to dissertation research.
(2) Rich internationality and wide-ranging education
We aim that students acquire international specialized knowledge and improve their ability to disseminate information in English through English classes. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge. Furthermore, we have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(3) Ability to think and judge by oneself
We require students to write a master's thesis and give a presentation so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Marine Resources and Environment

1. Policy for organizing the curriculum
At the Course of Marine Resources and Environment, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students acquire comprehensive and interdisciplinary mastery of expertise related to the marine environment and its conservation; the relationships between aquatic organisms and the environment; and the applied development and sustainable utilization of marine resources and energy. Furthermore, we have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(2) Rich internationality and wide-ranging education
Through English lectures and interactive lectures on advanced and specialized basic and applied science, we promote the ability to respond to internationalization and the ability to respond actively and practically. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge.
(3) Ability to think and judge by oneself
We aim that students acquire the ability to promote research, the ability to explain research results logically, ethics with regard to academic research etc., as well as the ability to identify issues and solve them by themselves. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
We aim that students acquire applied and practical skills to effectively utilize knowledge, data and information technology in various situations, and integrate and make use of them in the marine field. Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Marine Policy and Management

Policy for organizing the curriculum
At the Course of Marine Policy and Management, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim for students to acquire a wide range of specialized knowledge through specialized class subjects in each field of marine policies and management, seminar/experiment/practicum subjects that focus on active learning and subjects pertaining to dissertation research. Furthermore, we have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(2) Rich internationality and wide-ranging education
We aim that students acquire international specialized knowledge and improve their ability to disseminate information in English through English classes. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge.
(3) Ability to think, judge and express by oneself
We require students to write a master's thesis and give a presentation so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through practical education, such as field training, we aim that students acquire the knowledge and practical skills necessary for problem-solving and decision-making in marine and coastal areas. Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Marine System Engineering

Policy for organizing the curriculum
At the Course of Marine System Engineering, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students learn a wide range of specialized knowledge through specialized class subjects relating to marine artificial objects and environmental response technologies for the same, seminar/experiment/practicum subjects that focus on active learning and subjects pertaining to dissertation research so that they can acquire comprehensive and interdisciplinary mastery of expertise related to the machines and equipment that constitute ships and marine structures, as well as marine observation/investigation equipment.
(2) Rich internationality and wide-ranging education
We aim that students acquire international specialized knowledge (particularly knowledge related to marine artificial objects and environmental response technologies for the same) and improve their ability to disseminate information in English through English classes. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge. Furthermore, we have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(3) Ability to think and judge by oneself
We require students to write a master's thesis and give a presentation so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Maritime Technology and Logistics

1. Policy for organizing the curriculum
At the Course of Maritime Technology and Logistics, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim for students to acquire a wide range of specialized knowledge through specialized class subjects in each field of maritime technology and logistics, seminar/experiment/practicum subjects that focus on active learning and subjects pertaining to dissertation research.
(2) Rich internationality and wide-ranging education
We aim that students acquire international specialized knowledge and improve their ability to disseminate information in English through English classes. We encourage students to complete other major subjects (including subjects of other graduate schools) in addition to the common courses in the graduate school and the common courses in the major fields in order to acquire interdisciplinary knowledge. Furthermore, we have introduced a pre-registration system for subjects in the Master's Course that links the undergraduate and graduate schools organically.
(3) Ability to think and judge by oneself
We require students to write a master's thesis and give a presentation so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Safety Management in Food Supply Chain

Policy for organizing the curriculum
At the Course of Safety Management in Food Supply Chain, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students acquire a wide range of specialized knowledge through specialized class subjects in the field of safety management in food supply chain, seminar/practicum subjects that focus on active learning and subjects pertaining to dissertation research.
(2) Rich internationality and wide-ranging education
We provide lectures and exercises that will help students develop the knowledge and practical skills necessary to play an active role internationally in the field of safety management in food supply chain
(3) Ability to think and judge by oneself
We require students to write a master's thesis and give a presentation so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. We also require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
Through the teaching assistant (TA) system, we provide undergraduate students with educational guidance to improve their ability to respond quickly.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Applied Marine Biosciences

Policy for organizing the curriculum
At the Course of Applied Marine Biosciences, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students acquire comprehensive and interdisciplinary mastery of expertise related to basic and applied science of applied marine biosciences through highly specialized class subjects and subjects pertaining to dissertation research.
(2) Rich internationality and wide-ranging education
We require students to take common courses and joint seminars for acquiring interdisciplinary knowledge. We also encourage them to write papers in English to improve their ability to disseminate information in English.
(3) Ability to think and judge by oneself
We require students to give an interim presentation of a doctoral thesis so that they can accomplish their own highly novel research related to basic and applied science of applied marine biosciences based on a variety of knowledge and information from Japan and abroad. Then, they will prepare a doctoral thesis with research content adjusted based on the evaluation results and give a presentation. We also offer courses for career development after completing graduate school with the aim of improving students' ability to contribute to society, including international society and industry. We require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
We offer a variety of internships and coursework that help students to gain a wide range of social experiences both inside and outside the university in order to improve their practical skills in society.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.

Course of Applied Marine Environmental Studies

1. Policy for organizing the curriculum
At the Course of Applied Marine Environmental Studies, we systematically organize specialized class subjects, seminar/experiment/practicum subjects and subjects pertaining to dissertation research, etc. in order to help students acquire the four qualities and abilities listed in “2” below.

2. Policies regarding educational content and educational implementation methods
(1) Expert knowledge
We aim that students acquire comprehensive and interdisciplinary mastery of expertise through specialized class subjects related to applied marine environmental studies and subjects pertaining to dissertation research.
(2) Rich internationality and wide-ranging education
We require students to take common courses and joint seminars for acquiring interdisciplinary knowledge on principles and technologies related to the marine environment, as well as use and conservation of the ocean. We also encourage them to write papers in English to improve their ability to disseminate information in English.
(3) Ability to think and judge by oneself
We require students to give an interim presentation of a doctoral thesis so that they can accomplish their own highly novel research based on a variety of knowledge and information from Japan and abroad. Then, they will prepare a doctoral thesis with research content adjusted based on the evaluation results and give a presentation. We also offer courses for career development after completing graduate school with the aim of improving students' ability to contribute to society, including international society and industry. We require them to attend the education program regarding researcher ethics as early as possible after enrolling.
(4) Practical skills that can be used on site
We offer a variety of internships and coursework that help students to gain a wide range of social experiences both inside and outside the university in order to improve their practical skills in society.

3. Policy regarding evaluation method of learning outcomes
In all subjects, learning outcomes and achievement of goals will be rigorously evaluated through exams, reports, presentations, etc. When conferring a degree, a fair and rigorous examination of the degree thesis and certification through a final exam are required.