



# **Tokyo University of Marine Science and Technology**

## **Graduate School of Marine Science and Technology**

### **Graduate School code : 49**

**Web site: <http://www.g.kaiyodai.ac.jp/english/index.html>**

<b>1. Graduate School code</b>	49	
<b>2. Maximum number of participants</b>	3 Participants per year	
<b>3. Fields of Study</b>	■Environmental Science   ■Marine Science   □Meteorology ■Natural Disaster/ Disaster Prevention Science   □Tourism   □Politics ■Economics   □Sociology   □Education   ■Engineering ■Agriculture (incl. Fisheries)   ■Geology   ■ICT   □Medical Science □Others( )	
<b>Sub Fields</b>	Please see web site: <a href="http://www.g.kaiyodai.ac.jp/english/index.html">http://www.g.kaiyodai.ac.jp/english/index.html</a>	
<b>4. Program and Degree</b>	<b>Program</b>	Course of Marine Life Sciences Course of Food Science and Technology Course of Marine Resources and Environment Course of Marine Policy and Management Course of Marine System Engineering Course of Maritime Technology and Logistics
	<b>Degree</b>	Master's Degree in Marine Science, Master's Degree in Engineering
<b>5. Standard time table (Years needed for graduation)</b>	Starting as a Research Student up to 6 months, then 2 years as a Master's Student after passing the exam.(Depend on the capacity of the applicants)	
<b>6. Language of Program</b>	(1) Lecture: All lectures in English. Japanese may be partially used for Japanese students. (2) Text: English but Japanese text will be used partially while English instructions are given orally. (3) Laboratory work: Safety instructions are given in English. Conducting of the research is generally instructed by the supervisor in English. (4) Seminar: Seminars including Japanese students are generally in Japanese, but	

	there are many occasions where foreign students can interact in seminars in English.	
7. Desirable English level and Necessary Academic background	Linguistic Ability	TOEFL IBT:80, PBT:550, IELTS:6.0 or equivalent score required.
	EJU, IELTS, GRE or else	At least 16 years of academic background or equivalent. Other professional careers may be considered.
8. Prior Inquiry From Applicants (Before Submission of Application Documents)	Not mandatory	
9. Website	(1) Graduate School of Marine Science and Technology <a href="http://www.g.kaiyodai.ac.jp/english/index.html">http://www.g.kaiyodai.ac.jp/english/index.html</a> (2) Tokyo University of Marine Science and Technology <a href="https://www.kaiyodai.ac.jp/english-c/index.html">https://www.kaiyodai.ac.jp/english-c/index.html</a>	

10. Professors and Associated Professors	Name	Research Subject, Contact (e-mail), Special message for the Future students
	YOSHIZAKI Goro YAZAWA Ryosuke	Developmental Biotechnology
	SANO Motohiko	Fish Pathology
	SAKAMOTO Takashi	1)Aquatic Molecular Genetics 2)Aquatic Bioculture
	SATOH Shuichi HAGA Yutaka	Aquatic Animal Nutrition
	FUJITA Daisuke	Applied Phycology
	STRUSSMANN Carlos A	Applied Conservation Biology
	YOKOTA Masashi	Population Biology
	AKIYAMA Seiji	Fishing Methodology
	INADA Hiroshi	Fishing Technology Design

TOKAI Tadashi SHIODE Daisuke	Fishing System Analysis
HIRONO Ikuo KONDO Hidehiro	Genome Sciences of Fish and Shellfish Fish and Shellfish Immunology, Infectious Diseases in Aquaculture
KATAGIRI Takayuki	Toxicological Pathology
MAITA Masashi	Fish Pathophysiology  【Special Message for the Future Students】 I would like to accept students who are interested in the topics on 1) Influence of chemicals and/or environmental factors to fish health, 2) Fish health management by natural herbs and 3) Safety management of aquaculture fish.
IMADA Chiaki	Applied Microbiology
KOBAYASHI Takeshi	Microbiological Engineering
MATSUKAWA Shingo	Physical Chemistry in Polymer Solution
OHSHIMA Toshiaki	Advanced Seafood Chemistry
KOYAMA Tomoyuki	Physiology and Toxicology
KIMURA Bon KUDA Takashi TAKAHASHI Hajime	Food Microbiology
GOTOH Naohiro BEPPU Fumiaki	Food Functional Chemistry

KUROSE Kouichi SHIMAKURA Kuniyoshi	Food Hygienic Chemistry
NAGASHIMA Yuji	Biomolecular Chemistry
ISHIZAKI Shoichiro	Aquatic Material Biochemistry
SAKAI Noboru FUKUOKA Mika	Thermal Processing of Food
HAGIWARA Tomoaki SHIBATA Mario	Food Process Engineering
SUZUKI Toru WATANABE Manabu	Food Refrigeration
OKAZAKI Emiko OSAKO Kazufumi	Food Processing Technology
KOHNO Hiroshi	Advanced Fish Phylogeny
MOTEKI Masato	Advanced Fish Biology
SUZUKI Hidekazu	Systematics of Algae
TSUCHIYA Kotaro	Invertebrate Systematics
TANAKA Yuji KATANO Toshiya	Functional Planktology
SUNOBE Tomoki	Fish Behavioural Ecology
ISHII Haruto	Environmental Ecology
KANDA Jota	Marine Environmental Conservation Biogeochemical Processes

HASHIHAMA Fuminori	Biogeochemical Processes
TAKAHASHI Miho	Aquatic Inorganic Chemistry
NAGAI Hiroshi	Marine Bioorganic Chemistry
KAMIO Michiya	Structural Analysis of Organic Compounds
ENOKI Makiko	Environmental Functional Polymer Materials
ISHIDA Masami	Marine Biological Chemistry
ENDO Hideaki	Utilization of Biological Function
KAWAI Michiyo	Biogeochemistry of Marine Systems
SHITASHIMA Kiminori	Marine geochemistry
YAMANAKA Toshiro	Seafloor Biogeochemistry
Vesselin M.DEKOV	Seafloor Geochemistry
KITADE Yujiro	Dynamical Oceanography
YAMAZAKI Hidekatsu	Ocean Ecosystem Dynamics
NAGAI Takeyoshi	Dynamics of Ocean Fronts
NEMOTO Masao	Date Analysis for Environmental Science
SHIMADA Koji	Global Climate Change
MIZOBATA Kohei	Coastal Oceanography

	ARAKAWA Hisayuki	Advanced Environmental Measurement
	NAKASHIMA Kimie	Environmental Mathematics
	TSUBOI Kenji OHNAWA Masashi	Mathematical Analysis for Ocean Science
	TSURU Tetsuro	Subsea Energy Resources Exploration
	NAKAHIGASHI kazuo	Seafloor Geophysics
	OKAYASU Akio INAZU Daisuke	Nearshore Environmental Engineering
	KAMETANI Shigeki	Advanced Environmental Energy Engineering
	SAKAI Hisaharu TODA Masayoshi	Marine and Fishery Mechanics
	AMAKASU Kazuo	Marine Acoustics
	MIYAMOTO Yoshinori UCHIDA Keiichi	Applied Information Engineering
	TAKEDA Seiichi	Maritime Safety Science
	UENO Kimihiko	Industrial and Applied Mathematics for Environment
	IZUMI Mitsuru	Material Device Engineering
	TANI Kazuo	Marine Geotechnical & Geological Engineering
	IKEYA Tsuyoshi	Wave properties for coastal and ocean structures
	IDA Tetsuya	Energy Device Engineering

BABA Osamu	Institution of Marine Resource Utilization
LOU Xiaobo NAKAHARA Naotomo	Marine Economic Policy
KUDO Takafumi	Methodology for Wise Use of Coastal Area
INAMOTO Mamoru	Maritime International Relations
SASAKI Tsuyoshi	Ocean Literacy
NAKADA Tatsuya	Marine Environmental Policy
MORISHITA Joji	Marine Policy in Asia
SUZUKI Naoki	Marine Ecosystem Management
TANAKA Eiji	Fisheries Stock Management
KITAKADO Toshihide	Fisheries Stock Assessment
KAWABE Midori	Coastal Zone Conservation
TSURUGA Kayoko	Geophysical Research for the Sea Bed Energy and Mineral Resources
TAMURA Yuji	Marine Health Sciences
CHIASHI Koichi	Marine Sport Sciences
KAWASHITA Shinjiro	Environmental Education
HIDAI Haruko	Science and Literature
HAGIWARA Yuki	Applied Ethics

	KAKIHARA Yasushi	Science Technology and Society
	OSHIMA Yayoi	Japanese for Academic Purposes
	OHNO Misa	Marine Ecoliterature
	KOGURE Shuzo	Multi-Cultural Studies
	OSAKABE Masahiro HORIKI Sachiyo	Steam Power Engineering
	TSUKAMOTO Tatsuo	Internal Combustion Engine System Engineering
	KIFUNE Hiroyasu	Electric Power Conversion
	HAZUKU Tatsuya	Power and Energy Technology
	JIBIKI Tatsuhiko	Advanced tribology
	FUJINO Toshikazu	Applied Mechanics for Machinery
	MOTODA Shinichi	Engineering Materials
	INOUE Norihiro JIGE Daisuke	Energy Conversion Engineering
	IWAMOTO Katsumi	Mechanical Design
	TANAKA Kentaro	Micro Mechanics
	YOSHIOKA Satoshi	Computational Physics
	SHIMIZU Etsuro	Robot System Engineering



	ZHANG Feifei	Control System Engineering
	TAHARA Junichiro	Basic electronics engineering
	OHNUKI Hitoshi	Functional Devices Technology
	OHSIMA Kohta	Information and Communication Engineering
	MURAYAMA Toshiyuki	Measurements in Atmospheric and Environmental Science
	SEKIGUCHI Miho	Atmospheric and Environmental Physics
	INAISHI Masaaki	Knowledge Information System Design
	KONDO Hayato	Underwater Technology
	FURUYA tadasuke	image information processing
	FUJISAKA Takahiko	Radio Wave Systems for Information Gathering
	FUJI Masaaki	Natural Language and Linguistic Computation
	TAMARU Hitoi	Advanced Route Planning
	HENMI Shin	Laws of Marine Transport System
	FUKUDA Naoko	Health Care and Marine
	UCHIDA Yoko	Language Information Processing
	KAYANO Jun	Advanced Navigation Information

	SHOJI Ruri NISHIZAKI Chihiro	Navigation Support System
	IWASAKA Naoto	Lecture on Environmental Predictions
	KOBASHI Fumiaki	Lecture on Environmental Analysis
	SUYAMA Koichi	Fault-tolerant Control
	IWABUCHI Akifumi	Marine Anthropology
	ISEKI Toshio	Stochastic Analysis of Ship Motions
	MASUDA Mitsuhiko	Propulsive Dynamics of Floating Body
	UCHINO Akiko	Design on Ship-handling System
	KUBO Nobuaki	Mobile Communication System
	MINAMI Kiyokazu	Naval Architecture/International Safety Management at Sea
	OKAZAKI Tadatsugi	Ship Maneuvering System
	TAKEMOTO Takahiro	Safety Management of Pilotage
	WATANABE Yutaka	<p>Security Management of Intermodal Transportation  Safety Technology on Transportation including Ships,  Cargo handling equipment, Roads and Rails  Port Logistics  Maritime Transport  Security and Safety Managements on Logistics and  Transportation</p> <p><b>【Special Message for the Future Students】</b> Female students have priority to be accepted because of the vision of TUMSAT and the world standard.</p>

	HASHIMOTO Hideki	Logistics Engineering
	HYODO Tetsuro	Advanced Transportation Planning
	KUROKAWA Hisayuki	Logistics Design
	KONNO Hitoshi	Mathematical Sciences
	TAKENAWA Tomoyuki	Applied Analysis
	SEKIGUCHI Yoshiyuki	Mathematical Informatics
	MOTEGI Kohei	Discrete Mathematics
	SHIMONO Koichi	Human Perception and Cognition
	WATANABE Daisuke	Spatial Information Engineering
	TERADA Kazushige	Transport Policy
	OKUMURA Yasunori	Industrial Organization
	ENDO Nobuaki	Transport Economics and Management focusing on air transport
	NAKAGAWA Yuji	Lecture on the Industrial Structure

<p><b>11.Features of University</b></p>	<p>Tokyo University of Marine Science and Technology is the only maritime university in Japan which serves as a core educational and research base for “learning about the sea in order to preserve its integrity and put it to responsible use”.</p> <p>Academic Exchange Agreements Tokyo University of Marine Science and Technology has research or educational exchange agreements with 91 universities and institutes (Asia: 55, Middle East: 6, Oceania: 4, Africa: 1, Europe: 11, North America: 9, South America: 5) as of May 2017.</p> <p>Number of International Students The number of foreign students currently studying at Tokyo University of Marine Science and Technology is 233 (Master’s course: 110, Doctoral course: 67, others: 56) among total 2,805 students in the whole university as of May 2017. The ratio of foreign students in the Graduate School is more than 25% (more than 20% in the Master’s course).</p>
<p><b>12. Features of Graduate School</b></p>	<p>The Graduate School of Marine Science and Technology is established as a new multidisciplinary education and research institution to strengthen and merge the special departments in Marine Science and Marine Technology. The courses for a master’s degree comprising Marine Life Science, Food Science and Technology, Marine Resources and Environment, Marine Policy and Management, Marine System Engineering, Maritime Technology and Logistics, and Safety Management in Food Supply Chain, aim to educate and train students to become specialists and international contributors.</p>
<p><b>13. Features and Curriculum of Program</b></p>	<p>Features and Curriculum of Program This program dedicated to education and research in the marine and fisheries field in which all classes are taught in English. Based on the keywords marine science and technology, the program provides comprehensive, interdisciplinary, and cutting-edge education, research, and instruction, and enables students to flexibly deal with historical and social changes from global perspectives. In particular, through practical research, the program aims to develop highly skilled researchers and professionals, who are able to work in an international capacity. It is a program that seeks to assist individuals in developing the competencies needed to work internationally at universities, research institutes, and government bodies that such as ministries concerned with fisheries and oceanography. Each program student will belong to one of below courses for Master’s degree according to his/her study field.</p> <ul style="list-style-type: none"> <li>• Course of Marine Life Sciences</li> <li>• Course of Food Science and Technology</li> <li>• Course of Marine Resources and Environment</li> <li>• Course of Marine Policy and Management</li> <li>• Course of Marine System Engineering</li> <li>• Course of Maritime Technology and Logistics</li> </ul> <p>Detailed descriptions on the above courses can be found in our web site.</p>

<p><b>14. Academic Schedule</b></p>	<p>Here is the academic schedule of 2017. The schedule for 2018 is subject to change.</p> <p>First semester: April 1st to September 30<sup>th</sup></p> <table border="0"> <tr> <td>Entrance Ceremony and Orientation for New Students</td> <td>April 7, 2017</td> </tr> <tr> <td>1st Semester Begins</td> <td>April 10, 2017</td> </tr> <tr> <td>University Festival (Etchujima Campus)</td> <td>May 27 – 28, 2017</td> </tr> <tr> <td>Entrance Examination of Master's Courses (oral examination)</td> <td>July 8, 2017</td> </tr> <tr> <td>Summer Vacation</td> <td>July 19 – August 27, 2017</td> </tr> <tr> <td>Entrance Examination of Doctoral Courses</td> <td>August 17, 2017</td> </tr> <tr> <td>Entrance Examination of Master's Courses (written examination)</td> <td>August 17 - 18, 2017</td> </tr> <tr> <td>Classes End</td> <td>September 8, 2017</td> </tr> <tr> <td>Supplementary Lectures Period</td> <td>September 11 - 22, 2017</td> </tr> <tr> <td>Graduation Ceremony</td> <td>September 28, 2017</td> </tr> </table> <p>Second semester: October 1st to March 31st<sup>st</sup></p> <table border="0"> <tr> <td>2nd Semester Begins</td> <td>October 2, 2017</td> </tr> <tr> <td>Entrance Ceremony and Orientation for New Students</td> <td>October 5, 2017</td> </tr> <tr> <td>University Festival (Shinagawa Campus)</td> <td>November 4 - 5, 2017</td> </tr> <tr> <td>Winter Vacation</td> <td>December 29, 2017– January 3 2018</td> </tr> <tr> <td>Entrance Examination of Doctoral Courses</td> <td>February 6, 2018</td> </tr> <tr> <td>Entrance Examinations of Master's Course</td> <td>February 6 - 7, 2018</td> </tr> <tr> <td>Classes End</td> <td>February 7, 2018</td> </tr> <tr> <td>Supplementary Lectures Period</td> <td>February 13 - 22, 2018</td> </tr> <tr> <td>Graduation Ceremony</td> <td>March 23, 2018</td> </tr> <tr> <td>Spring Vacation</td> <td>March 24 - , 2018</td> </tr> </table>	Entrance Ceremony and Orientation for New Students	April 7, 2017	1st Semester Begins	April 10, 2017	University Festival (Etchujima Campus)	May 27 – 28, 2017	Entrance Examination of Master's Courses (oral examination)	July 8, 2017	Summer Vacation	July 19 – August 27, 2017	Entrance Examination of Doctoral Courses	August 17, 2017	Entrance Examination of Master's Courses (written examination)	August 17 - 18, 2017	Classes End	September 8, 2017	Supplementary Lectures Period	September 11 - 22, 2017	Graduation Ceremony	September 28, 2017	2nd Semester Begins	October 2, 2017	Entrance Ceremony and Orientation for New Students	October 5, 2017	University Festival (Shinagawa Campus)	November 4 - 5, 2017	Winter Vacation	December 29, 2017– January 3 2018	Entrance Examination of Doctoral Courses	February 6, 2018	Entrance Examinations of Master's Course	February 6 - 7, 2018	Classes End	February 7, 2018	Supplementary Lectures Period	February 13 - 22, 2018	Graduation Ceremony	March 23, 2018	Spring Vacation	March 24 - , 2018
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<p><b>15. Supporting service to International Students</b></p>																																									
<p><b>International Students Support Center for Consulting or counseling about daily life, campus life, cross-cultural adjustment etc.</b></p>	<p>[Counseling] University Health Service Centers Health service centers are located on both the Shinagawa and Etchujima campuses.</p> <p>[Daily life, Campus life and cross-cultural adjustment] International Students Section (Shinagawa campus) Student Support Section (Etchujima campus)</p>																																								

<p><b>Provision of Student Dormitory</b></p>	<p><b>Shinagawa International House</b>  The International House located on Shinagawa Campus provides accommodation for International Students enrolled at TUMSAT. The 7-story building offers 48 single rooms, 6 rooms for married couples, and 6 rooms for families. All of them are equipped with kitchen, toilet and bathroom facilities. In principle, residents are allowed to stay for a maximum of 2 years (However, 3 years for DC students, 1 year for the students who receive scholarship from Japanese government or foreign government).</p> <p><b>University Apartment (Off campus)</b>  The university apartment is off-campus accommodation for International Students. 3 students share 3 bed rooms apartment together. All of them are equipped with kitchen, toilet and bathroom facilities.  Location: 5-3, Yashio Shinagawa-ku, Tokyo</p> <p><b>Hoyo-ryo</b>  The Hoyo-ryo located in Shinagawa Campus provides accommodation for Japanese and International Students enrolled at TUMSAT. It is two 5-story buildings containing 224 rooms (131 for men and 93 for women), and offers 22 single rooms for International Students. There are multi-purpose hall, laundry room, shower room, storeroom, mailboxes, etc. in the dormitory.</p> <p><b>Kaio-ryo</b>  The Kaio-ryo located in Etchujima Campus provides accommodation for Japanese and International Students enrolled at TUMSAT. It is four 4-story buildings containing 167 rooms (each partitioned into two sections and shared by two students; 129 for men and 38 for women), and offers 32 single rooms for International Students. There are laundry rooms/wash rooms, laboratories, shower room, communal bathroom (for male students only), lounge (with mini-kitchen), multi-purpose hall, conference rooms, mailboxes, etc. in the dormitory.</p> <p><b>Totaling foreign students capacity 135 person</b>  Shinagawa International House 60 person  University Apartment 23 person  Hoyo-ryo 22 person  Kaio-ryo 32 person</p>
<p><b>Japanese Language Education Program for International Students</b></p>	<p>The following courses on the Japanese language and other subjects related to Japan are conducted for foreign students enrolled in our university, in addition to extracurricular classes</p>

<p><b>Cultural Activities</b></p>	<p>Meeting of international students A meeting of international students is hosted every year by the university president. Its purpose is to provide a rich academic environment by promoting deeper ties between international students, Japanese students, teachers and members of the university staff.</p> <p>Other extracurricular activities In addition to the ESS (English Speaking Society) and the International Exchange and Natural Research Student Association, Tokyo University of Marine Science and Technology boasts 74 independent circles and associations ranging from cultural activities to sports. International students are encouraged to participate actively in the activities that match their interests to make new friends and enrich their student life.</p>
<p><b>Any special attention to Religious Practice</b></p>	<p>N/A</p>
<p><b>facilities (Library etc)</b></p>	<p>University Library For further information, please visit: <a href="http://lib.s.kaiyodai.ac.jp/?lang=english">http://lib.s.kaiyodai.ac.jp/?lang=english</a></p>
<p><b>Please state other particular supporting service you are endeavoring, if any.</b></p>	<p>All of international students can use tutor system if their supervisors arrange for it. The purpose of tutor system is to help newly-enrolled international students to familiarize themselves quickly with the university's environment. The tutor helps international students with their academic and research activities, in principle during the first year following admission.</p>
<p><b>16. Message to Prospective International Students</b></p>	
<p><b>Message from University</b></p>	<p>Please refer to the website for details.</p>
<p><b>Voice of International Students</b></p>	<p>N/A</p>