

Class Schedule(2021 Academic Year)

| Course               | Campus    | Semester | Day       | Period | ★ | Subjects   | E | Credits | Classrooms      | Instructors  |
|----------------------|-----------|----------|-----------|--------|---|--|---|---------|-----------------|--|
| Marine Life Sciences | Shinagawa | 1st      | Mon.      | 3      |   | Applied Phycology on Algal Properties                    | E | 2       |                 | Fujita Daisuke   |
| Marine Life Sciences | Shinagawa | 1st      | Mon.      | 4      |   | Fish Behavior Dynamics                                   | E | 2       | Bldg. 2 Rm.403  | Akiyama Seiji  |
| Marine Life Sciences | Shinagawa | 1st      | Mon.      | 5      |   | Aquatic Animal Nutrition                                 | E | 2       |                 | Haga Yutaka,Kabeya Naoki                               |
| Marine Life Sciences | Shinagawa | 1st      | Tue.      | 2      |   | Chemical Microbiology                                    | E | 2       |                 | Terahara Takeshi,Imada Chiaki                          |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Fishing System Analysis                                  | E | 2       |                 | Shiode Daisuke,Tokai Tadashi                           |
| Marine Life Sciences | Shinagawa | 1st      | Fri.      | 3      |   | Aquatic Bioculture                                       | E | 2       |                 | Endo Masato,Sakamoto Takashi                           |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Infectious Diseases of Aquatic Organisms                 | E | 2       |                 | Sano Motohiko,Kato Goshi                               |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Conservation Ecology                                     | E | 2       | Others          | Strussmann Carlos Augusto,Yokota Masashi,Yamamoto Yoji |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Bioresources Conservation and Management                 | E | 2       |                 | Hamasaki Katsuyuki,Dan Shigeki                         |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Population Dynamics                                      | E | 2       |                 |  |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Early Life Ecology of Fishery Resources                  | E | 2       |                 | Kurita Yutaka,SASSA Chiyuki                            |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Genetics and Biochemistry                                | E | 2       |                 | Hirono Ikuo  |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Functional Biology of Aquatic Organisms                  | E | 2       |                 | Yamashita Michiaki                                     |
| Marine Life Sciences | Shinagawa | 1st      | Intensive |        |   | Functional Molecular Biology and Genomics                | E | 2       |                 | Suzuki Toshiyuki,Ojima Nobuhiko                        |
| Marine Life Sciences | Shinagawa | 2nd      | Mon.      | 2      |   | Microbiological Engineering                              | E | 2       |                 | Kobayashi Takeshi                                      |
| Marine Life Sciences | Shinagawa | 2nd      | Tue.      | 4      |   | Aquatic Feed Technology                                  | E | 2       |                 | Satoh Shuichi  |
| Marine Life Sciences | Shinagawa | 2nd      | Wed.      | 2      |   | Fishing System Technology                                | E | 2       | Bldg.1.Room 220 | Hu Fuxiang   |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Fish Developmental Biotechnology                         | E | 2       | Others          | Yoshizaki Goro,Yazawa Ryosuke,Ichida Kensuke           |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Aquatic Molecular Genetics                               | E | 2       | Others          | Sakamoto Takashi                                       |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Applied Phycology on Algal Functions                     | E | 2       |                 | Niwa Kyosuke   |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Reproductive Physiology of Fish I                        | E | 2       |                 | Kazeto Yukinori,OZAKI Yuichi                           |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Reproductive Physiology of Fish II                       | E | 2       |                 | IMAMURA Shintaro                                       |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Population Dynamics                                      | E | 2       | Others          | Strussmann Carlos Augusto,Yokota Masashi,Yamamoto Yoji |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Stock Enhancement Ecology                                | E | 2       |                 | Dan Shigeki,Hamasaki Katsuyuki                         |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Population Ecology                                       | E | 2       |                 | YONEZAKI Shiroh,WATARI Shingo                          |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Comparative Ecology of Fishery Resources                 | E | 2       |                 | Kurita Yutaka,ICHINOKAWA Momoko                        |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        | ★ | Shipboard Training for Fishing Survey                    |   | 1       | Others          | Tokai Tadashi  |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Genome Science of Fish and Shellfish                     | E | 2       |                 | Kondo Hidehiro   |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Molecular Aqua-toxicology                                | E | 2       | Others          | Katagiri Takayuki                                      |
| Marine Life Sciences | Shinagawa | 2nd      | Intensive |        |   | Fish Pathophysiology                                     | E | 2       | Others          | Futami Kunihiko,Maita Masashi                          |
| Marine Life Sciences | Shinagawa | 1st-2nd  | Intensive |        |   | Population Dynamics and Management                       | E | 2       |                 | Kitakado Toshihide,Tanaka Eiji                         |
| Marine Life Sciences | Shinagawa | 1st-2nd  | Intensive |        |   | Deep Sea Biology I                                       | E | 2       |                 | Fujiwara Yoshihiro,Tsuchida Shinji                     |
| Marine Life Sciences | Shinagawa | 1st-2nd  | Intensive |        |   | Deep Sea Biology II                                      | E | 2       |                 | Yoshida Takao,IKUTA Tetsuro                            |
| Marine Life Sciences | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Marine Life Sciences I/II |   | 2       |                 | SATOH Shuichi, HAGA Yutaka                             |
| Marine Life Sciences | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Marine Life Sciences I/II |   | 2       |                 | ENDO Masato  |
| Marine Life Sciences | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Marine Life Sciences I/II |   | 2       |                 | STRUSSMANN Carlos Augusto                              |
| Marine Life Sciences | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Marine Life Sciences I/II |   | 2       |                 | KATAGIRI Takayuki, FUTAMI Kunihiko                     |
| Marine Life Sciences | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Marine Life Sciences I/II |   | 2       |                 | KOBAYASHI Takeshi                                      |
| Marine Life Sciences | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Marine Life Sciences I/II |   | 2       |                 | HIRONO Ikuo, KONDO Hidehiro                            |
| Marine Life Sciences | Shinagawa | 1st      |           |        | ☆ | Toxicological Pathology                                  | E | 2       | Others          | (To Be Announced)                                      |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                      | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms      | Instructors                         |
|-----------------------------|-----------|----------|-----------|--------|---|---|---|---------|-----------------|-------------------------------------|
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Hazardous ingredients in food                                   |   | 2       |                 | Kurose Kouichi                      |
| Food Science and Technology | Shinagawa | 1st      |           |        |   | Thermal Engineering in Food Industry                            |   | 2       |                 | (To Be Announced)                   |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Food Microbiology   | E | 2       |                 | Kuda Takashi, Takahashi Hajime      |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Properties of Foods in Low Temperature                          |   | 2       |                 | Suzuki Toru                         |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Advanced Physicochemical Properties of Food                     | E | 2       |                 | Takahashi Kigen                     |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Advanced Food and Nutrition                                     | E | 2       | Others          | Nagasaka Reiko                      |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Food Functional Chemistry                                       | E | 2       | Lec.Bldg. Rm.43 | Gotoh Naohiro                       |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Biochemistry of Marine Resources                                | E | 2       |                 | Koyama Hiroki                       |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Food Process Engineering  | E | 2       | Others          | Shibata Mario                       |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Food Processing Technology                                      | E | 2       |                 | Osako Kazufumi                      |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Salad Science I   |   | 2       | Lec.Bldg. Rm.22 | Suzuki Toru, Lee Younju             |
| Food Science and Technology | Shinagawa | 2nd      | Mon.      | 2      |   | Physical Chemistry in Polymer Solution                          | E | 2       |                 | Matsukawa Shingo                    |
| Food Science and Technology | Shinagawa | 2nd      | Wed.      | 1      |   | Pharmacology of preventive foods                                | E | 2       | Bldg. 2 Rm.100B | Koyama Tomoyuki                     |
| Food Science and Technology | Shinagawa | 2nd      | Wed.      | 2      |   | Analytical Chemistry of Biomolecules                            | E | 2       |                 | Ishizaki Shoichiro                  |
| Food Science and Technology | Shinagawa | 2nd      | Thu.      | 2      |   | Food Refrigeration Engineering                                  | E | 2       |                 | Watanabe Manabu                     |
| Food Science and Technology | Shinagawa | 2nd      | Fri.      | 2      |   | Heat and Mass Transfer in Food Engineering                      | E | 2       |                 | Fukuoka Mika                        |
| Food Science and Technology | Shinagawa | 2nd      | Fri.      | 3      |   | Control of Food Spoilage and Pathogenic Microorganisms          | E | 2       | Lec.Bldg. Rm.43 | Kimura Bon, Takahashi Hajime        |
| Food Science and Technology | Shinagawa | 2nd      | Intensive |        |   | Chemistry of Harmful Substances in Foods                        |   | 2       |                 | Shimakura Kuniyoshi                 |
| Food Science and Technology | Shinagawa | 2nd      | Intensive |        |   | Food System Analysis  | E | 2       |                 | Hagiwara Tomoaki                    |
| Food Science and Technology | Shinagawa | 2nd      | Intensive |        |   | Salad Science II  |   | 2       | Lec.Bldg. Rm.22 | Suzuki Toru, Lee Younju             |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Koyama Tomoyuki, Nagasaka Reiko     |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Sakai Noboru, Fukuoka Mika          |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Hagiwara Tomoaki, Shibata Mario     |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Osako Kazufumi                      |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Ishizaki Shoichiro, Koyama Hiroki   |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Gotoh Naohiro                       |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Kuda Takashi, Takahashi Hajime      |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Kurose Kouichi, Shimakura Kuniyoshi |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Suzuki Toru, Lee Younju             |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Matsukawa Shingo, Takahashi Kigen   |
| Food Science and Technology | Shinagawa |          | Intensive |        | ★ | Trans-laboratory Internship of Food Science and Technology I/II |   | 2       |                 | Watanabe Manabu                     |
| Food Science and Technology | Shinagawa | 1st      | Intensive |        |   | Seafood Processing and Materials                                |   | 2       |                 | Kou Shoutei                         |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                           | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms      | Instructors                        |
|----------------------------------|-----------|----------|-----------|--------|---|---|---|---------|-----------------|------------------------------------|
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Chemical Biology                                    | E | 2       |                 | Nagai Hiroshi                      |
| Marine Resources and Environment | Shinagawa | 1st      | Mon.      | 1      |   | Marine Geotechnical & Geological Engineering        | E | 2       | Bldg.1.Room 220 | Tani Kazuo                         |
| Marine Resources and Environment | Shinagawa | 1st      | Mon.      | 2      |   | Marine Acoustics                                    | E | 2       |                 | Amakasu Kazuo,Mishima Yuka         |
| Marine Resources and Environment | Shinagawa | 1st      | Mon.      | 4      |   | Energy Device Engineering                           | E | 2       | Lec.Bldg. Rm.35 | Ida Tetsuya                        |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Biological Oceanography                             | E | 2       |                 | Miyazaki Naho                      |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Molecular Biochemistry                              | E | 2       |                 | Ishida Masami,Okai Masahiko        |
| Marine Resources and Environment | Shinagawa | 1st      | Tue.      | 3      |   | Applied Information Engineering                     |   | 2       |                 | Uchida Keiichi,Miyamoto Yoshinori  |
| Marine Resources and Environment | Shinagawa | 1st      | Tue.      | 4      |   | Data Analysis for Environmental Science             |   | 2       | Bldg. 5 Rm.410  | Nemoto Masao                       |
| Marine Resources and Environment | Shinagawa | 1st      | Wed.      | 3      |   | Wave Properties for Coastal and Ocean Structures    | E | 2       | Bldg.1.Room 220 | Ikeya Tsuyoshi                     |
| Marine Resources and Environment | Shinagawa | 1st      | Wed.      | 4      |   | Dynamical Oceanography                              | E | 2       | Lec.Bldg. Rm.41 | Kitade Yujiro                      |
| Marine Resources and Environment | Shinagawa | 1st      | Wed.      | 4      |   | Coastal Hydrodynamics and Processes                 | E | 2       | Bldg.1.Room 220 | Inazu Daisuke,Okayasu Akio         |
| Marine Resources and Environment | Shinagawa | 1st      | Wed.      | 5      |   | Application of biocatalysis for aquatic environment | E | 2       |                 | Endo Hideaki,Ren Huifeng,WU HAIYUN |
| Marine Resources and Environment | Shinagawa | 1st      | Thu.      | 2      |   | Environmental Mathematics                           |   | 2       |                 | Nakashima Kimie                    |
| Marine Resources and Environment | Shinagawa | 1st      | Fri.      | 2      |   | Advanced Environmental Measurement                  |   | 2       | Lec.Bldg. Rm.21 | Arakawa Hisayuki                   |
| Marine Resources and Environment | Shinagawa | 1st      | Fri.      | 4      |   | Ocean Remote Sensing                                | E | 2       | Lec.Bldg. Rm.43 | Mizobata Kohei                     |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Advanced Fish Biology                               | E | 2       |                 | Moteki Masato                      |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Environmental Ecology                               | E | 2       |                 | Ishii Haruto                       |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Plankton Ecology                                    | E | 2       |                 | Katano Toshiya                     |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Fish Behavioral Ecology                             | E | 2       |                 | Sunobe Tomoki                      |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Marine Environmental Conservation                   | E | 2       |                 | Kanda Jota                         |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Cetacean Biology                                    | E | 2       |                 | Nakamura Gen,Murase Hiroto         |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Environmental Microbiology                          | E | 2       | Hakuyokan       | Okai Masahiko,Makita Hiroko        |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Seafloor Biogeochemistry                            | E | 2       |                 | Yamanaka Toshiro                   |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Seafloor Geochemistry                               | E | 2       |                 | Dekov Vesselin                     |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | International Marine Management                     | E | 2       |                 | Inamoto Mamoru                     |
| Marine Resources and Environment | Shinagawa | 2nd      | Mon.      | 1      |   | Structural Analysis of Organic Compounds            | E | 2       | Bldg. 2 Rm.100B | Kamio Michiya                      |
| Marine Resources and Environment | Shinagawa | 2nd      | Mon.      | 3      |   | Morphology and Taxonomy of Algae                    | E | 2       |                 | Suzuki Hidekazu                    |
| Marine Resources and Environment | Shinagawa | 2nd      | Mon.      | 3      |   | Ocean Mixing Processes                              | E | 2       |                 | Nagai Takeyoshi                    |
| Marine Resources and Environment | Shinagawa | 2nd      | Mon.      | 4      |   | Systematics of Algae                                | E | 2       |                 | Kamiya Mitsunobu                   |
| Marine Resources and Environment | Shinagawa | 2nd      | Tue.      | 3      |   | Functional Planktology                              | E | 2       |                 | Tanaka Yuji                        |
| Marine Resources and Environment | Shinagawa | 2nd      | Tue.      | 3      |   | Marine Information Measurement Engineering          | E | 2       |                 | Miyamoto Yoshinori,Uchida Keiichi  |
| Marine Resources and Environment | Shinagawa | 2nd      | Tue.      | 4      |   | Mathematical Analysis for Ocean Science             | E | 2       | IP Center       | Ohnawa Masashi                     |
| Marine Resources and Environment | Shinagawa | 2nd      | Wed.      | 2      |   | Invertebrate Systematics                            | E | 2       |                 | Tsuchiya Kotaro                    |
| Marine Resources and Environment | Shinagawa | 2nd      | Wed.      | 2      |   | Nearshore Environmental Engineering                 | E | 2       | Others          | Okayasu Akio,Inazu Daisuke         |
| Marine Resources and Environment | Shinagawa | 2nd      | Wed.      | 3      |   | Global Climate Change                               | E | 2       | Bldg. 2 Rm.100B | Shimada Koji                       |
| Marine Resources and Environment | Shinagawa | 2nd      | Wed.      | 4      |   | Coastal Oceanography                                | E | 2       | Bldg. 2 Rm.100B | Kitade Yujiro,Mizobata Kohei       |
| Marine Resources and Environment | Shinagawa | 2nd      | Wed.      | 4      |   | Marine and Fishery Mechanics                        |   | 2       |                 | Sakai Hisaharu,Toda Masayoshi      |
| Marine Resources and Environment | Shinagawa | 2nd      | Fri.      | 3      |   | Marine Mathematical Engineering                     |   | 2       |                 | Ueno Kimihiko                      |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Advanced Fish Phylogeny                             | E | 2       |                 | (To Be Announced)                  |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Marine Mammalogy                                    | E | 2       | Others          | Murase Hiroto,Nakamura Gen         |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Marine Biological Resource Ecology                  | E | 2       |                 | Suzuki Naoki                       |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Aquatic Inorganic Chemistry                         | E | 2       |                 | Takahashi Miho                     |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Environmental Functional Polymer Materials          | E | 2       |                 | Enoki Makiko                       |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Biogeochemistry of marine systems                   | E | 2       | To be announced | Kawai Michiyo                      |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Marine Sensing Technology                           | E | 2       |                 | Shitashima Kiminori,Owari Satoko   |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Marine Meteorological Analysis                      | E | 2       |                 | Takeyama Yuko                      |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Coastal Production Environments                     |   | 2       |                 | Kuwahara Hisami                    |
| Marine Resources and Environment | Shinagawa | 2nd      | Intensive |        |   | Fisheries Environment Technology                    |   | 2       |                 | Sawada Koichi                      |
| Marine Resources and Environment | Shinagawa | 1st-2nd  | Intensive |        | ★ | Special Seminar in Oceanographic Observation        |   | 1       | Others          | Arakawa Hisayuki,Shimada Koji      |
| Marine Resources and Environment | Shinagawa | 1st-2nd  | Intensive |        | ★ | Oceanic observation cruise                          |   | 1       | Others          | Kanda Jota                         |
| Marine Resources and Environment | Shinagawa | 1st-2nd  | Intensive |        |   | Ocean Floor Geoscience                              | E | 2       |                 | Tsuru Tetsuro,Nakahigashi Kazuo    |
| Marine Resources and Environment | Shinagawa | 1st-2nd  | Intensive |        |   | General View on Subseafloor Explorations            | E | 2       |                 | Tsuruga Kayoko,Furuyama Seishiro   |
| Marine Resources and Environment | Shinagawa | 1st-2nd  | Intensive |        | ★ | Shipboard Training for Coastal Oceanography         |   | 1       | Others          | Arakawa Hisayuki,Shimada Koji      |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Seafloor Environmental Analysis                     | E | 2       |                 | Aoyama Chiharu                     |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                           | Campus    | Semester | Day       | Period | ★ | Subjects                    | E   | Credits | Classrooms | Instructors        |
|----------------------------------|-----------|----------|-----------|--------|---|-----------------------------|-----|---------|------------|--------------------|
| Marine Resources and Environment | Shinagawa | 2nd      |           |        | ☆ | Invertebrates Ecophysiology | E   | 2       |            | (To Be Announced)  |
| Marine Resources and Environment | Shinagawa | 2nd      | Mon.      | 4      |   | Mathematical Fluid Dynamics | ### | 2       |            | Mori Naofumi       |
| Marine Resources and Environment | Shinagawa | 1st      | Intensive |        |   | Biogeochemical Processes    | E   | 2       |            | Hashihama Fuminori |
| Marine Resources and Environment | Shinagawa | 2nd      | Tue.      | 3      | ★ | Advanced Energy Engineering | E   | 2       |            | Ida Tetsuya        |

Class Schedule(2021 Academic Year)

| Course                       | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms      | Instructors  |
|------------------------------|-----------|----------|-----------|--------|---|---|---|---------|-----------------|--|
| Marine Policy and Management | Shinagawa | 1st      | Mon.      | 3      |   | Marine Ecoliterature                                |   | 2       |                 | Ohno Misa  |
| Marine Policy and Management | Shinagawa | 1st      | Tue.      | 2      |   | Ocean Literacy                                      | E | 2       | Lec.Bldg. Rm.33 | Sasaki Tsuyoshi  |
| Marine Policy and Management | Shinagawa | 1st      | Wed       | 3      |   | General View on Marine Policy                       |   | 2       | Bldg. 5 Rm.410  | Matsui Takahiro,Kudo Takafumi,Ohishi Taro,Inamoto Mamoru,Lou Xiaobo,Nakahara Naotomo,Morishita Joji,Takahashi Chikashi,Sasaki Tsuyoshi |
| Marine Policy and Management | Shinagawa | 1st      | Thu       | 5      |   | Science Technology and Society                      |   | 2       |                 | Kakahara Yasushi   |
| Marine Policy and Management | Shinagawa | 1st      | Fri       | 2      |   | Fisheries Stock Assessment                          | E | 2       |                 | Kitakado Toshihide   |
| Marine Policy and Management | Shinagawa | 1st      | Intensive |        |   | Marine Economic Policy                              | E | 2       |                 | Lou Xiaobo,Nakahara Naotomo  |
| Marine Policy and Management | Shinagawa | 1st      | Intensive |        |   | Institution of Marine Resource Utilization          | E | 2       |                 | Matsui Takahiro  |
| Marine Policy and Management | Shinagawa | 1st      | Wed       | 5      |   | Coastal Protection and Management                   | E | 2       | Bldg.1.Room 220 | Okayasu Akio   |
| Marine Policy and Management | Shinagawa | 1st      | Fri.      | 4      |   | Maritime International Relations                    | E | 2       | Bldg. 5 Rm.315  | Inamoto Mamoru   |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | International Cooperation                           |   | 2       |                 | Harada Sachiko,TERASHIMA Hiroaki   |
| Marine Policy and Management | Shinagawa | 1st-2nd  | Intensive |        |   | Practical ESD Training                              | E | 1       |                 | Sasaki Tsuyoshi,Kawabe Midori  |
| Marine Policy and Management | Shinagawa | 2nd      | Mon.      | 4      |   | Fisheries Stock Management                          | E | 2       | Lec.Bldg. Rm.33 | Tanaka Eiji  |
| Marine Policy and Management | Shinagawa | 2nd      | Mon.      | 4      |   | Environmental Education                             |   | 2       |                 | Kawashita Shinjiro   |
| Marine Policy and Management | Shinagawa | 2nd      | Mon.      | 5      |   | Methodology for Wise Use of Coastal Area            |   | 2       |                 | Kudo Takafumi  |
| Marine Policy and Management | Shinagawa | 2nd      | Mon.      | 5      |   | Marine Sport Sciences                               | E | 2       |                 | Chiashi Koichi   |
| Marine Policy and Management | Shinagawa | 2nd      | Tue.      | 4      |   | General View on Marine Utilization and Management   | E | 2       | Bldg. 5 Rm.410  | Suzuki Naoki,Kawabe Midori,Kitakado Toshihide,Tanaka Eiji,Tsuruga Kayoko   |
| Marine Policy and Management | Shinagawa | 2nd      | Tue.      | 5      |   | Marine Ecosystem Management                         | E | 2       |                 | Suzuki Naoki   |
| Marine Policy and Management | Shinagawa | 2nd      | Wed.      | 2      |   | Coastal Society and Culture                         |   | 2       |                 | Iwabuchi Akifumi   |
| Marine Policy and Management | Shinagawa | 2nd      | Wed.      | 4      |   | Science and Literature                              |   | 2       | Bldg. 5 Rm.201  | Hidai Haruko   |
| Marine Policy and Management | Shinagawa | 2nd      | Fri.      | 5      |   | Marine Health Sciences                              | E | 2       | Bldg. 5 Rm.410  | Tamura Yuji  |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        | ★ | Marine Environmental Policy                         | E | 2       | Others          | (To Be Announced)  |
| Marine Policy and Management | Shinagawa | 1st      | Mon.      | 5      |   | Coastal Regional Development                        |   | 2       |                 | Ohishi Taro  |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | Asian Marine Policy                                 | E | 2       | Others          | Morishita Joji   |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | Economic History of the Sea                         |   | 2       | Others          | Takahashi Chikashi   |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | Study on Seabed Resources                           | E | 2       |                 | Tsuruga Kayoko   |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | Coastal Zone Conservation                           |   | 2       |                 | Kawabe Midori  |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | International Marine Management Policy              |   | 2       | Bldg. 5 Rm.315  | Chiashi Koichi,Suzuki Toru,Tsuruta Jun,IWABUCHI Yo,Kogure Shuzo,Hidai Haruko,Kawashita Shinjiro,Kakahara Yasushi                       |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | Applied Ethics                                      |   | 2       | Bldg. 5 Rm.311  | Hagiwara Yuki  |
| Marine Policy and Management | Shinagawa | 2nd      | Intensive |        |   | Studies of Multicultural Society                    |   | 2       |                 | Kogure Shuzo   |
| Marine Policy and Management | Shinagawa | 1st      | Intensive |        | ★ | Internship for Marine Management Policy             |   | 1       | Others          | Lou Xiaobo   |
| Marine Policy and Management | Shinagawa | 2nd      |           |        | ☆ | Theory and Practice of International law of The Sea | E | 2       | Others          | Okochi Mika  |
| Marine Policy and Management | Shinagawa | 1st      |           |        | ☆ | Fish Population Dynamics                            |   | 2       |                 | (To Be Announced)  |
| Marine Policy and Management | Shinagawa | 1st      | Fri.      | 3      |   | Japanese for Academic Purposes                      | E | 2       | Bldg. 5 Rm.315  | Imamura Keisuke  |
| Marine Policy and Management | Shinagawa |          |           |        | ☆ | Studies of Science and European Civilization        |   |         |                 |  |
| Marine Policy and Management | Shinagawa |          |           |        | ☆ | Cultural Thoughts on the Environment                |   |         |                 |  |

“E” = Carried out in English.

“★” = Not done the study registration with the LiveCampus

“☆” = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                    | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms    | Instructors                        |
|---------------------------|-----------|----------|-----------|--------|---|---|---|---------|---------------|------------------------------------|
| Marine System Engineering | Etchujima | 1st      | Mon.      | 2      |   | Applied Mechanics for Machinery                               |   | 2       | Bld.1 Rm.122  | Toshikazu FUJINO                   |
| Marine System Engineering | Etchujima | 1st      | Mon.      | 3      |   | Internal Combustion Engine System Engineering                 |   | 2       | Bld.1 Rm.123  | Tsukamoto Tatsuro                  |
| Marine System Engineering | Etchujima | 1st      | Tue.      | 2      |   | Electric Power Conversion                                     |   | 2       |               | Komeda Shohei                      |
| Marine System Engineering | Etchujima | 1st      | Tue.      | 3      |   | Energy Conversion Engineering                                 |   | 2       | Bld.1 Rm.112  | Inoue Norihiro                     |
| Marine System Engineering | Etchujima | 1st      | Tue.      | 5      |   | Computational Physics   |   | 2       | Bld.2 Rm.2202 | Yoshioka Satoshi                   |
| Marine System Engineering | Etchujima | 1st      | Wed.      | 2      | ☆ | Design of Mechanical Elements                                 | 0 | 2       |               | (To Be Announced)                  |
| Marine System Engineering | Etchujima | 1st      | Wed.      | 2      |   | Control System Design   |   | 2       | Bld.1 Rm.116  | Zhang Feifei                       |
| Marine System Engineering | Etchujima | 1st      | Wed.      | 3      |   | Air Conditioning and Refrigeration Engineering                |   | 2       | Bld.1 Rm.123  | Kojima Mitsuo                      |
| Marine System Engineering | Etchujima | 1st      | Wed.      | 3      |   | Robot System Control Theory                                   |   | 2       | Bld.1 Rm.115  | Shimizu Etsuro                     |
| Marine System Engineering | Etchujima | 1st      | Wed.      | 4      |   | Engineering Materials Engineering                             | E | 2       | Bld.1 Rm.115  | Motoda Shinichi                    |
| Marine System Engineering | Etchujima | 1st      | Wed.      | 5      |   | Strength and Fracture of Materials                            | E | 2       | Bld.1 Rm.115  | Morita Motoaki                     |
| Marine System Engineering | Etchujima | 1st      | Thu.      | 2      |   | Atmospheric Environmental Physics                             |   | 2       |               | Sekiguchi Miho                     |
| Marine System Engineering | Etchujima | 1st      | Fri.      | 2      |   | Floating Body Utilization Engineering                         |   | 2       |               | Ohsawa Hiroyuki                    |
| Marine System Engineering | Etchujima | 1st      | Intensive |        |   | Experiments in Atmospheric and Environmental Science          |   | 2       | Others        | Sekiguchi Miho, Murayama Toshiyuki |
| Marine System Engineering | Etchujima | 1st      | Intensive |        |   | Experimentation in Underwater Vehicle                         |   | 2       |               | Ishibashi Shojiro                  |
| Marine System Engineering | Etchujima | 1st      | Intensive |        |   | Underwater Acoustics  |   | 2       |               | Ochi Hiroshi                       |
| Marine System Engineering | Etchujima | 1st      | Intensive |        |   | Floating Body Utilization Engineering Experiment              |   | 2       |               | Ohsawa Hiroyuki                    |
| Marine System Engineering | Etchujima | 2nd      | Mon.      | 2      |   | Environmental Facilities Engineering                          |   | 2       | Bld.1 Rm.123  | Nao Kuniyoshi                      |
| Marine System Engineering | Etchujima | 2nd      | Mon.      | 3      |   | Environmental Engineering in Internal Combustion Engine       |   | 2       | Bld.1 Rm.123  | Sasaki Hidetsugu                   |
| Marine System Engineering | Etchujima | 2nd      | Tue.      | 2      |   | Electronic Control Systems                                    |   | 2       | Bld.1 Rm.124  | Tahara Junichiro                   |
| Marine System Engineering | Etchujima | 1st      | Tue.      | 4      |   | Information Control Engineering                               |   | 2       | Bld.1 Rm.123  | Koike Masakazu                     |
| Marine System Engineering | Etchujima | 2nd      | Wed.      | 2      |   | Energy System Engineering                                     |   | 2       | Bld.1 Rm.125  | Jige Daisuke                       |
| Marine System Engineering | Etchujima | 2nd      | Wed.      | 3      |   | Design of Mechanical Systems                                  |   | 2       | Bld.2 Rm.2201 | Tanaka Kentaro                     |
| Marine System Engineering | Etchujima | 2nd      | Wed.      | 3      |   | Measurements in Atmospheric and Environmental Science         |   | 2       | Bld.2 Rm.2202 | Murayama Toshiyuki                 |
| Marine System Engineering | Etchujima | 2nd      | Thu.      | 2      |   | Advanced Tribology  |   | 2       | Bld.1 Rm.122  | Jibiki Tatsuhiko                   |
| Marine System Engineering | Etchujima | 2nd      | Thu.      | 3      |   | Power and Energy Technology                                   |   | 2       | Bld.1 Rm.122  | Hazuku Tatsuya, Ihara Tomonori     |
| Marine System Engineering | Etchujima | 2nd      | Thu.      | 4      |   | Ship Control Machinery  |   | 2       | Bld.1 Rm.115  | Inoue Norihiro                     |
| Marine System Engineering | Etchujima | 2nd      | Fri.      | 2      |   | Steam Power Engineering                                       |   | 2       | Bld.1 Rm.115  | Osakabe Masahiro                   |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Steam Power Experiments                                       |   | 2       |               | Osakabe Masahiro                   |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiments in Internal Combustion Engine                     |   | 2       |               | Tsukamoto Tatsuro                  |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Electric Power Experiment                                     |   | 2       |               | Kifune Hiroyasu                    |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiments on Applied Mechanics for Machinery                |   | 2       |               | Jibiki Tatsuhiko, Toshikazu FUJINO |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiments on Engineering Material                           |   | 2       |               | Motoda Shinichi, Morita Motoaki    |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        | ★ | Experiment of Energy Conversion                               |   | 2       |               | Inoue Norihiro, Jige Daisuke       |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiments of Mechanical Design                              |   | 2       |               | Tanaka Kentaro                     |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Applied Physics Laboratory                                    |   | 2       |               | Yoshioka Satoshi                   |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiments of Robotics                                       |   | 2       |               | Shimizu Etsuro, Goto Shinpei       |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Mathematical Engineering                                      |   | 2       |               | Ohshima Kota                       |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiment of Automatics                                      |   | 2       | Others        | Zhang Feifei, Koike Masakazu       |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experiment of Electronic Control                              |   | 2       |               | Tahara Junichiro                   |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Functional Devices Technology                                 |   | 2       | Others        | Ohnuki Hitoshi                     |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Experimental Course of Functional Devices                     |   | 2       | Others        | Ohnuki Hitoshi                     |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Engineering of Underwater Vehicle                             |   | 2       |               | Ishibashi Shojiro                  |
| Marine System Engineering | Etchujima | 2nd      | Intensive |        |   | Underwater Acoustics Experimentation                          |   | 2       |               | Ochi Hiroshi                       |
| Marine System Engineering | Etchujima | 1st-2nd  | Intensive |        |   | Robot System Design Technology                                |   | 2       | Others        | Goto Shinpei                       |
| Marine System Engineering | Etchujima | 1st-2nd  |           |        | ☆ | Steam Power System Engineering                                |   | 2       | Others        | (To Be Announced)                  |
| Marine System Engineering | Etchujima | 1st-2nd  |           |        | ☆ | Experiments on Air Conditioning and Refrigeration Engineering |   | 2       | Others        | (To Be Announced)                  |
| Marine System Engineering | Etchujima | 2nd      |           |        | ☆ | Instrumental Material Science                                 |   | 2       |               | (To Be Announced)                  |
| Marine System Engineering | Etchujima | 1st      |           |        | ☆ | Analytical Science  |   | 2       |               | (To Be Announced)                  |
| Marine System Engineering | Etchujima | 2nd      |           |        | ☆ | Experimental Course of Material Science                       |   | 2       | Others        | (To Be Announced)                  |

“E” = Carried out in English.

“★” = Not done the study registration with the LiveCampus

“☆” = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                            | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms    | Instructors                      |
|-----------------------------------|-----------|----------|-----------|--------|---|---|---|---------|---------------|----------------------------------|
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Lecture on Environment Analysis                       | E | 2       |               | Kobashi Fumiaki                  |
| Maritime Technology and Logistics | Etchujima | 1st      | Mon.      | 3      |   | Current Issues and Their Implications                 |   | 2       | Bld.3 Rm.3203 | Nabatame Tomomi                  |
| Maritime Technology and Logistics | Etchujima | 1st      | Mon.      | 4      |   | Navigation Support System                             |   | 2       |               | Shoji Ruri                       |
| Maritime Technology and Logistics | Etchujima | 1st      | Mon.      | 4      |   | Supply Chain Optimization                             |   | 2       |               | Kubo Mikio                       |
| Maritime Technology and Logistics | Etchujima | 1st      | Tue.      | 2      |   | Route Planning  | E | 2       | Bld.1 Rm.115  | Tamaru Hitoi                     |
| Maritime Technology and Logistics | Etchujima | 1st      | Mon.      | 5      |   | Mathematical Sciences                                 |   | 2       |               | Konno Hitoshi                    |
| Maritime Technology and Logistics | Etchujima | 1st      | Tue.      | 4      |   | Natural Language and Linguistic Computation           | E | 2       | Bld.1 Rm.123  | Fuji Masaaki                     |
| Maritime Technology and Logistics | Etchujima | 1st      | Tue.      | 4      |   | Marine Anthropology                                   |   | 2       |               | Iwabuchi Akifumi                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Tue.      | 4      |   | Advanced Maritime English                             |   | 2       | Bld.1 Rm.116  | Takagi Naoyuki,Saito Koichi      |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | The Theory of Maritime Survival                       |   | 2       |               | Takemoto Takahiro                |
| Maritime Technology and Logistics | Etchujima | 1st      | Tue.      | 5      |   | Applied Analysis                                      |   | 2       |               | Takenawa Tomoyuki                |
| Maritime Technology and Logistics | Etchujima | 1st      | Wed.      | 1      |   | Education and International Development               |   | 2       |               | Morishita Minoru                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Wed.      | 2      |   | IT Business and Civil Liability                       |   | 2       | Bld.1 Rm.121  | Kaneoka Kyoko                    |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Ship Handling System Engineering                      |   | 2       |               | Okazaki Tadatsugi                |
| Maritime Technology and Logistics | Etchujima | 1st      | Wed.      | 4      |   | Naval Architecture                                    |   | 2       | Bld.1 Rm.124  | Minami Kiyokazu                  |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Marine Insurance Law                                  |   | 2       |               | TAKANO Koji                      |
| Maritime Technology and Logistics | Etchujima | 1st      | Wed.      | 5      |   | Logistics Engineering                                 |   | 2       |               | Hashimoto Hideki                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Thu.      | 1      |   | Propulsive Dynamics of Floating Body                  |   | 2       |               | Masuda Mitsuhiko                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Thu.      | 2      |   | Health Care and Marine                                |   | 2       | Bld.2 Rm.2102 | Fukuda Naoko                     |
| Maritime Technology and Logistics | Etchujima | 1st      | Thu.      | 3      |   | Mobile Communication System                           | E | 2       | Others        | Kubo Nobuaki,                    |
| Maritime Technology and Logistics | Etchujima | 1st      | Fri.      | 2      |   | Advanced Transportation Planning                      | E | 2       |               | Hyodo Tetsuro,                   |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Knowledge Information Design Laboratory               |   | 2       | Others        | (To Be Announced)                |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Underwater Technology                                 |   | 2       | Others        | Kondo Hayato                     |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Practice of Navigation Information                    |   | 2       |               | Kayano Jun                       |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Seminar in IT Business and Civil Liability            |   | 2       | Others        | Kaneoka Kyoko                    |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Language Information Processing                       |   | 2       | Others        | Uchida Yoko                      |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Maritime Educational Technology Exercise              |   | 2       |               | Kunieda Yoshiaki                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Laws of Marine Transport System                       |   | 2       | Others        | Henmi Shin                       |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Seminar on Environmental Sciences                     |   | 2       |               | Iwasaka Naoto,Kobashi Fumiaki    |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | System Safety Experiment                              |   | 2       |               | Suyama Koichi                    |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Marine Anthropology Practice                          |   | 2       |               | Iwabuchi Akifumi                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Maritime Transport and Ship Performance               |   | 2       |               | Ueno Michio                      |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Navigation Electronic Engineering                     |   | 2       |               | Yonemoto Naruto,Sakai Takeyasu   |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Traffic Control Engineering                           |   | 2       |               | Osamu AMAI                       |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Experiment of Logistics and Cargo Systems             | E | 2       | Others        | Watanabe Yutaka,Watanabe Daisuke |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Case Studies on Logistics and Supply Chain Management |   | 2       | Others        | Kubo Mikio                       |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Exercise of Regional Planning                         |   | 2       | Others        | Hyodo Tetsuro,                   |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Experiments for Logistics Information Systems         |   | 2       | Others        | Aso Toshimasa,Kurokawa Hisayuki  |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Experiments for Visual Information Processing         |   | 2       |               | (To Be Announced)                |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Seminar in Transport Policy                           |   | 2       |               | Terada Kazushige                 |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Seminar In Transport Economics And Management         |   | 2       | Others        | Endo Nobuaki                     |
| Maritime Technology and Logistics | Etchujima | 1st      | Intensive |        |   | Seminar on the Distribution Economy                   |   | 2       | Others        | Nakagawa Yuji                    |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 1      |   | Maritime Educational Technology                       |   | 2       | Bld.1 Rm.122  | Kunieda Yoshiaki                 |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 2      |   | Lecture on Environmental Predictions                  | E | 2       |               | Iwasaka Naoto                    |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 2      |   | Spatial Information Engineering                       | E | 2       |               | Watanabe Daisuke                 |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 3      |   | Advanced Navigation Information                       |   | 2       |               | Kayano Jun                       |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 3      |   | Design on Ship-handling System                        | E | 2       |               | Uchino Akiko                     |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 4      |   | Radio Wave Systems for Information Gathering          |   | 2       | Bld.1 Rm.125  | Murai Koji                       |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 5      |   | Security Management of Intermodal Transportation      | E | 2       |               | Watanabe Yutaka                  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Tue.      | 1      |   | Functional Safety Engineering                         |   | 2       |               | Suyama Koichi                    |
| Maritime Technology and Logistics | Etchujima | 2nd      | Tue.      | 2      |   | Knowledge Information Systems Design                  |   | 2       | Others        | Matsumoto Yohei                  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Tue.      | 2      |   | Fault-tolerant Control                                |   | 2       |               | Suyama Koichi                    |
| Maritime Technology and Logistics | Etchujima | 2nd      | Tue.      | 4      |   | General Insurance Law and Civil Liability             |   | 2       | Bld.1 Rm.125  | Asanuma Seiji                    |

“E” = Carried out in English.

“★” = Not done the study registration with the LiveCampus

“☆” = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                            | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms    | Instructors  |
|-----------------------------------|-----------|----------|-----------|--------|---|---|---|---------|---------------|--|
| Maritime Technology and Logistics | Etchujima | 2nd      | Wed.      | 2      | ☆ | Analysis of Ship Motions                            | E | 2       | Bld.2 Rm.2103 | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Mon.      | 5      |   | Mathematical Informatics                            | E | 2       | Others        | Sekiguchi Yoshiyuki                                |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Lecture on the Industrial Structure                 |   | 2       |               | Nakagawa Yuji                                      |
| Maritime Technology and Logistics | Etchujima | 2nd      | Wed.      | 4      |   | Visual Information Processing                       |   | 2       | Others        | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Wed.      | 5      |   | Special Seminar on Maritime Economy and Management  |   | 2       | Bld.1 Rm.116  | Tamaru Hitoi                                       |
| Maritime Technology and Logistics | Etchujima | 2nd      | Thu.      | 2      |   | Management of ship's safe operation                 |   | 2       | Others        | Takemoto Takahiro                                  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Thu.      | 2      |   | Transport Policy                                    |   | 2       |               | Terada Kazushige                                   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Experiments on Underwater Technology                |   | 2       | Others        | Kondo Hayato                                       |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Practice of Navigation Support System               |   | 2       |               | Shoji Ruri   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Image information processing                        |   | 2       | Others        | Furuya Tadasuke                                    |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Practice of image information processing            |   | 2       | Others        | Furuya Tadasuke                                    |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Seminar in Laws of Marine Transport System          |   | 2       | Others        | Henmi Shin   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Nautical Archaeology                                |   | 2       |               | Iwabuchi Akifumi,Kotaro YAMAFUNE                   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | International Safety Management at Sea              |   | 2       | Others        | Minami Kiyokazu,                                   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Exercise of Maritime Transport and Ship Performance |   | 2       |               | Ueno Michio  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Exercise of Logistics Engineering                   |   | 2       |               | Hashimoto Hideki                                   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Fri.      |        |   | Logistics Information System                        |   | 2       |               | Aso Toshimasa                                      |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Logistics Design                                    |   | 2       |               | Kurokawa Hisayuki                                  |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Discrete Mathematics                                | E | 2       |               | Motegi Kohei                                       |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | International Transport Theory                      |   | 2       |               | Endo Nobuaki                                       |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Industrial Organization                             |   | 2       | Others        | Okumura Yasunori                                   |
| Maritime Technology and Logistics | Etchujima | 2nd      | Intensive |        |   | Seminar in Industrial Organization                  |   | 2       | Others        | Okumura Yasunori                                   |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  | Intensive |        |   | Seminar in management of ship's safe operation      |   | 2       |               | Takemoto Takahiro                                  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  | Intensive |        |   | Experiments in Marine Technology                    |   | 2       |               | Okazaki Tadatsugi,Minami Kiyokazu,Masuda Mitsuhiro |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        | ☆ | Practice of Route Planning                          |   | 2       | Others        | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 1st      |           |        | ☆ | Practice of Navigation System                       |   | 2       | Others        | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        | ☆ | Navigation Performance                              |   | 2       | Others        | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        | ☆ | Satellite Navigation Engineering                    |   | 2       | Others        | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        | ☆ | Marine Safety and Propulsion System                 |   | 2       |               | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        | ☆ | Seminar in Marine Safety and Propulsion System      |   | 2       | Others        | (To Be Announced)                                  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        |   | Marine Traffic System                               |   | 2       | Others        |  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        |   | Seminar in Marine Traffic System                    |   | 2       | Others        |  |
| Maritime Technology and Logistics | Etchujima | 1st-2nd  |           |        | ☆ | Distribution Economy                                |   | 2       | Others        | (To Be Announced)                                  |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year



Class Schedule(2021 Academic Year)

| Course                                 | Campus | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms    | Instructors                       |
|--|--------|----------|-----------|--------|---|---|---|---------|---------------|-----------------------------------|
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Introduction to Food Safety Management System               |   | 1       | Bldg. 1 Rm.22 | Hamada Naoko                      |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | HACCP I   |   | 1       |               | Matsumoto Takashi                 |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | HACCP II  |   | 1       |               | Matsumoto Takashi                 |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Basic Food Microbiology                                     |   | 1       | Bldg. 1 Rm.22 | Kimura Bon                        |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        | ☆ | Food Safety Management of Fisheries Products                |   | 1       | Bldg. 1 Rm.22 | Maita Masashi                     |
| Safety Management in Food Supply Chain |        | 1st-2nd  | Intensive |        |   | Financial Accounting  |   | 1       |               |                                   |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Risk Management   |   | 1       | Bldg. 1 Rm.22 | Kawamura Kimito                   |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Case Workshop I on Safety Management in Food Supply Chain   |   | 1       | Bldg. 1 Rm.22 | Ogawa Mikako                      |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Case Workshop II on Safety Management in Food Supply Chain  |   | 1       | Bldg. 1 Rm.22 | Hamada Naoko                      |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Case Workshop III on Safety Management in Food Supply Chain |   | 1       | Bldg. 1 Rm.22 | Kanatani Katsuhiko, Ogawa Mikako  |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Case Workshop IV on Safety Management in Food Supply Chain  |   | 1       | Bldg. 1 Rm.22 | Morita Maki, Shibata Mario        |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Practices of HACCP  |   | 1       |               | Matsumoto Takashi                 |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Food Safety Management System                               |   | 4       | Others        | Ishioka Yoshiyuki, TANAKA Chikako |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Consumer in Food Safety Risk Communication                  |   | 1       | Bldg. 1 Rm.22 | Shintani Kikuo, Hamada Naoko      |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Food Safety Management of Crops and Livestock Products      |   | 1       | Bldg. 1 Rm.22 | Matsumoto Takashi, HIRANO Noriyo  |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Best Practices of Logistics in Food Supply Chain            |   | 1       | Bldg. 1 Rm.22 | HAYAKAWA Norip, Ogawa Mikako      |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        | ☆ | QC Practices in Food Manufacturing                          |   | 1       | Bldg. 1 Rm.22 | SHINDO Hirokatsu, Hamada Naoko    |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        | ☆ | International Food Supply Chain Management                  |   | 1       |               | Lou Xiaobo                        |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Business Law  |   | 1       | Bld.2 Rm.2201 | Kandel Bishwa Raj                 |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        | ☆ | Risk Analysis Management                                    |   | 1       | Bldg. 1 Rm.22 | Tanaka Eiji                       |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Politics and Statute on Food Safety Administration          |   | 1       |               | Matsumoto Takashi                 |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Social Communication  |   | 1       | Bld.2 Rm.2201 | Nabatame Tomomi                   |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        | ☆ | Information Technology                                      |   | 1       | Bldg. 1 Rm.22 | Ogawa Mikako                      |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Case Workshop V on Safety Management in Food Supply Chain   |   | 1       |               | Matsumoto Takashi                 |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Case Workshop VII on Safety Management in Food Supply Chain |   | 1       |               | Nakagawa Yuji                     |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Seminar of Monitoring Method for Food Hazard                |   | 1       |               | Hamada Naoko,                     |
| Safety Management in Food Supply Chain |        | 1st-2nd  | Intensive |        |   | Carrier Development Plan                                    |   | 1       | Bldg. 1 Rm.22 | Hamada Naoko                      |
| Safety Management in Food Supply Chain |        | 1st-2nd  | Intensive |        | ☆ | Case Workshop VI on Safety Management in Food Supply Chain  |   | 1       | Others        | Maita Masashi                     |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Food Hygienic Chemistry                                     |   | 1       | Bldg. 1 Rm.22 | Kobayashi Yukihiro                |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Principles of Logistics                                     |   | 1       | Bld.2 Rm.2201 | Kurokawa Hisayuki                 |
| Safety Management in Food Supply Chain |        | 1st      | Intensive |        |   | Food Supply Chain Management                                |   | 1       | Bld.2 Rm.2201 | Nakagawa Yuji                     |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Food Traceability System Management                         |   | 1       |               | Ogawa Mikako                      |
| Safety Management in Food Supply Chain |        | 1st-2nd  | Intensive |        | ☆ | Information Management in Food Supply Chain                 |   | 1       | Others        | Ogawa Mikako                      |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Epidemiology  |   | 1       | Bldg. 1 Rm.22 | Inoue Izumi                       |
| Safety Management in Food Supply Chain |        | 2nd      | Intensive |        |   | Statistical Decision Making Safety Issues                   |   | 1       | Bldg. 1 Rm.22 | Shibata Mario                     |
| Safety Management in Food Supply Chain |        | 1st-2nd  | Intensive |        | ☆ | Field Study in Farms and Manufacturers                      |   | 1       |               | Ogawa Mikako                      |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                         | Campus | Semester | Day       | Period | ★ | Subjects   | E | Credits | Classrooms      | Instructors                                 |
|--------------------------------|--------|----------|-----------|--------|---|--|---|---------|-----------------|---|
| All Courses of Master's Course |        | 1st      | Tue.      | 5      |   | Deep Learning  |   | 2       |                 | Takenawa Tomoyuki                           |
| All Courses of Master's Course |        | 1st      | Wed       | 3      |   | Artificial Intelligence and Machine Learning                 |   | 2       |                 |   |
| All Courses of Master's Course |        | 2nd      | Intensive |        |   | Data Science   |   | 2       |                 | Mizobata Kohei                              |
| All Courses of Master's Course |        | 2nd      | Mon.      | 3      |   | Academic English   |   | 2       | Lec.Bldg. Rm.31 | Tanabe Akira                                |
| All Courses of Master's Course |        | 2nd      | Intensive |        |   | Data Engineering   |   | 2       |                 | Hyodo Tetsuro                               |
| All Courses of Master's Course |        | 1st-2nd  | Intensive |        |   | Marine AI Workshop I   |   | 1       |                 | Hyodo Tetsuro                               |
| All Courses of Master's Course |        | 2nd      | Intensive |        | ★ | Marine Science Seminar I                                     |   | 1       |                 | Ogawa Mikako,Kifune Hiroyasu,Yazawa Ryosuke |
| All Courses of Master's Course |        | 1st-2nd  | Intensive |        | ★ | Case Workshop on Marine Environmental Protection             |   | 2       | Others          | Okayasu Akio                                |
| All Courses of Master's Course |        | 1st      | Intensive |        | ★ | Internship for Marine Environment and Energy                 |   | 1       | Others          | Maita Masashi,WU HAIYUN                     |
| All Courses of Master's Course |        | 1st      | Intensive |        | ★ | Advanced Career Development I                                |   | 1       | Others          | Shiotani Kazuyoshi                          |
| All Courses of Master's Course |        | 1st-2nd  | Intensive |        | ★ | International Summer School of Marine Science and Technology |   | 2       |                 | Maita Masashi                               |
| All Courses of Master's Course |        | 1st-2nd  | Intensive |        | ☆ | Exercise in Machine Learning                                 |   | 1       | Others          | Okazaki Tadatsugi                           |
| All Courses of Master's Course |        | 1st-2nd  |           |        |   | Exercise in Data Science                                     |   | 1       | Others          | Furuya Tadasuke                             |
| All Courses of Doctoral Course |        | 2nd      | Intensive |        | ★ | Marine Science Seminar II                                    |   | 1       |                 | Ogawa Mikako,Kifune Hiroyasu,Yazawa Ryosuke |
| All Courses of Doctoral Course |        | 1st-2nd  |           |        |   | Marine AI Workshop II  |   | 1       |                 | Hyodo Tetsuro                               |
| All Courses of Doctoral Course |        | 1st      | Intensive |        | ★ | Advanced Career Development II                               |   | 1       | Others          | Shiotani Kazuyoshi                          |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                     | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms | Instructors  |
|----------------------------|-----------|----------|-----------|--------|---|---|---|---------|------------|--|
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Aquatic Pathology                                  |   | 2       | Others     | Sano Motohiko,Kato Goshi                                       |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Aquatic Animal Nutrition and Aqua-feed Development |   | 2       | Others     | Satoh Shuichi,Haga Yutaka                                      |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Applied Phycology                                  |   | 2       | Others     | Fujita Daisuke,Niwa Kyosuke                                    |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Population Biology                                 |   | 2       | Others     | Strussmann Carlos Augusto,Yokota Masashi,Yamamoto Yoji         |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Stock Enhancement Biology                          |   | 2       | Others     | Hamasaki Katsuyuki,Dan Shigeki                                 |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Theory of Fish Population Analysis                 |   | 2       | Others     | Tanaka Eiji,Kitakado Toshihide                                 |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Fish Behavior Dynamics                             |   | 2       | Others     | Akiyama Seiji  |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Fishing System Technology                          | E | 2       | Others     | Tokai Tadashi,Hu Fuxiang,Shiode Daisuke                        |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Physico-chemistry of Food                          |   | 2       | Others     | Matsukawa Shingo,Takahashi Kigen                               |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Chemistry of Functional Food                       |   | 2       | Others     | Nagasaka Reiko,Koyama Tomoyuki                                 |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Food Microbiology                                  |   | 2       | Others     | Kuda Takashi,Takahashi Hajime                                  |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Food Hygienic Chemistry                            |   | 2       | Others     | Kurose Kouichi   |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Biomolecular Chemistry                             |   | 2       | Others     | Ishizaki Shoichiro   |
| Applied Marine Biosciences | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Food Refrigeration Technology                      |   | 2       |            | Watanabe Manabu  |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Chemistry of Food Quality Designing                |   | 2       | Others     | Osako Kazufumi   |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Functional Biology of Aquatic Organisms            |   | 2       |            | Yamashita Michiaki,Suzuki Toshiyuki,Ojima Nobuhiko             |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Advanced Fish Health Management                             |   | 2       | Others     | Maita Masashi,Katagiri Takayuki                                |
| Applied Marine Biosciences | Shinagawa | 1st      | Intensive |        |   | Applied Microbiology  |   | 2       | Others     | Imada Chiaki,Kobayashi Takeshi,Hamada Naoko                    |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Fish Physiology                                    | E | 2       |            | Yoshizaki Goro,Yazawa Ryosuke,Ichida Kensuke                   |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Fish Culture                                       |   | 2       |            | Sakamoto Takashi,Endo Masato                                   |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Reproductive and Behavioral Physiology of Fish     |   | 2       |            | Kazeto Yukinori,IMAMURA Shintaro,OZAKI Yuichi                  |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Population Dynamics                                |   | 2       |            | YONEZAKI Shiroh,WATARI Shingo,                                 |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Fisheries Ecology                                  |   | 2       |            | Kurita Yutaka,SASSA Chiyuki,ICHINOKAWA Momoko                  |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Food Chemistry                                     |   | 2       | Others     | Gotoh Naohiro  |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Thermal Processing of Food                         |   | 2       | Others     | Fukuoka Mika   |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Food Process Design                                |   | 2       | Others     | Hagiwara Tomoaki   |
| Applied Marine Biosciences | Shinagawa | 2nd      | Intensive |        |   | Advanced Genome Science                                     | E | 2       | Others     | Hirono Ikuo,Kondo Hidehiro                                     |
| Applied Marine Biosciences | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Deep Sea Biology                                   |   | 2       |            | Fujiwara Yoshihiro,Tsuchida Shinji,Yoshida Takao,IKUTA Tetsuro |
| Applied Marine Biosciences | Shinagawa | 1st-2nd  | Intensive |        |   | Comprehensive Risk Management in Food Supply                |   | 2       | Others     | Hamada Naoko,Inoue Izumi                                       |
| Applied Marine Biosciences | Shinagawa | 1st-2nd  | Intensive |        | ★ | Internship in Applied Marine Biosciences I                  |   | 1       | Others     | Matsukawa Shingo   |
| Applied Marine Biosciences | Shinagawa | 1st-2nd  | Intensive |        | ★ | Internship in Applied Marine Biosciences II                 |   | 1       | Others     | Matsukawa Shingo   |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                               | Campus    | Semester | Day       | Period | ★ | Subjects   | E | Credits | Classrooms      | Instructors                                 |
|--------------------------------------|-----------|----------|-----------|--------|---|--|---|---------|-----------------|---|
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Ichthyology                                     |   | 2       | Others          | Moteki Masato                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Phycology                                       |   | 2       | Others          | Suzuki Hidekazu,Kamiya Mitsunobu            |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Advanced Marine Ecology                                  |   | 2       |                 | Ishii Haruto                                |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Invertebrate Zoology                            |   | 2       | Others          | Tsuchiya Kotaro                             |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Planktology                                     |   | 2       | Others          | Tanaka Yuji,Katano Toshiya                  |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Population Ecology                              |   | 2       | Others          | Suzuki Naoki                                |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Aquatic Biogeochemistry                         |   | 2       | Others          | Kanda Jota                                  |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Aquatic Ecochemistry                                     | E | 2       | Others          | Nagai Hiroshi,Kamio Michiya                 |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Marine Biochemistry                             |   | 2       | Others          | Ishida Masami,Okai Masahiko                 |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Application of Biological Function              |   | 2       | Others          | Endo Hideaki,Ren Huifeng,WU HAIYUN          |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Fish Ecology                                    |   | 2       |                 | Sunobe Tomoki                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Evolution of Sedimentary Organic Matter                  |   | 2       |                 | Yamanaka Toshiro                            |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Ocean Chemical Sensor Observing Technology               |   | 2       |                 | Shitashima Kiminori                         |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Special Seminar in Ocean Science and Technology          |   | 2       |                 | Takahashi Miho                              |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Physical Oceanography                                    |   | 2       | Others          | Kitade Yujiro                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Data Analysis for Ocean Science                 |   | 2       | Others          | Nemoto Masao,Shimada Koji                   |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Seminar in Environment Measurement              |   | 2       | Others          | Arakawa Hisayuki                            |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Nearshore Environmental Engineering             |   | 2       | Bldg.1.Room 220 | Okayasu Akio                                |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Special Lecture on Mathematical Engineering for Marine   |   | 2       |                 | Ueno Kimihiko                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Reflection Seismology                                    |   | 2       |                 | Tsuru Tetsuro                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Satellite Meteorology                                    |   | 2       |                 | Takeyama Yuko                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Marine Geotechnics                              |   | 2       | Bldg.1.Room 220 | Tani Kazuo                                  |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Electronics Device Engineering                           |   | 2       |                 | Ida Tetsuya                                 |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Coastal Zone Environment Management                      |   | 2       | Others          | Kawabe Midori,Harada Sachiko                |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Advanced Methodology for Wise Use of Coastal Area        |   | 2       |                 | Kudo Takafumi                               |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Marine Industry Economics                                |   | 2       | Others          | Lou Xiaobo,Morishita Joji                   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Advanced Maritime Educational Technology                 |   | 2       |                 | Kunieda Yoshiaki                            |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Special Lecture on International Fishery Management      |   | 2       | Others          | Inamoto Mamoru,Matsui Takahiro              |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Human Adaptation   |   | 2       | Others          | Chiashi Koichi,Tamura Yuji                  |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Social Studies of Science                                |   | 2       | Bldg. 5 Rm.311  | Kakahara Yasushi,Hagiwara Yuki              |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Economic History of the Sea                     |   | 2       | Others          | Takahashi Chikashi                          |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Advanced Cetacean Ecology                                |   | 2       | Others          | Murase Hiroto,Nakamura Gen                  |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Seafloor Hydrothermal Systems                            | E | 2       |                 | Dekov Vesselin                              |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Geomicrobial Ecology                                     |   | 2       |                 | Makita Hiroko                               |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Wed.      | 4      |   | Marine Sociolinguistics                                  |   | 2       |                 | Imamura Keisuke                             |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Business Management in Marine Industry                   |   | 2       |                 | Nakahara Naotomo                            |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Environmental Economics and Policy                       |   | 2       |                 | Wakamatu Mihoko                             |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Contemporary issues in Chemical Oceanography             |   | 2       |                 | Kawai Michiyo,Hashihama Fuminori            |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Advanced Fisheries Environment Technology                |   | 2       |                 | Kuwahara Hisami,Sawada Koichi               |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Advanced Study of Aquatic Marine Environmental Education |   | 2       |                 | Sasaki Tsuyoshi                             |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Ecocriticism   |   | 2       | Others          | Hidai Haruko,Kogure Shuzo,Ohno Misa         |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Functional Material                             |   | 2       | Others          | Enoki Makiko                                |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        | ★ | Special Seminar in Ocean Science and Technology          |   | 1       | Others          | (To Be Announced)                           |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Environmental Mathematics                       |   | 2       | Others          | Nakashima Kimie,Ohnawa Masashi,Mori Naofumi |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Marine Observation System                       |   | 2       | Others          | Amakasu Kazuo                               |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Marine and Fishery Mechanics                    |   | 2       | Others          | Sakai Hisaharu,Toda Masayoshi               |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        |   | Applied Information System Engineering                   |   | 2       |                 | Miyamoto Yoshinori,Uchida Keiichi           |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        |   | Advanced Ocean Floor Geoscience                          |   | 2       |                 | Nakahigashi Kazuo                           |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Coastal and Ocean Environment and Energy Engineering     |   | 2       |                 | Ikeya Tsuyoshi                              |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        | ★ | Special Long-term Shipboard Training for Oceanography    |   | 1       | Others          | (To Be Announced)                           |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Study of Regional Development Economics                  |   | 2       | Others          | Ohishi Taro                                 |
| Applied Marine Environmental Studies | Shinagawa | 1st-2nd  | Intensive |        |   | Risk Communication in Food Supply Chain                  |   | 2       | Others          | Ogawa Mikako                                |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        | ★ | Internship in Applied Marine Environmental Studies I     |   | 1       | Others          | Kanda Jota                                  |

“E” = Carried out in English.

“★” = Not done the study registration with the LiveCampus

“☆” = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                               | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms    | Instructors                        |
|--------------------------------------|-----------|----------|-----------|--------|---|---|---|---------|---------------|------------------------------------|
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        | ★ | Internship in Applied Marine Environmental Studies II     |   | 1       | Others        | Kanda Jota                         |
| Applied Marine Environmental Studies | Shinagawa | 2nd      |           |        | ☆ | Ocean Ecosystem Dynamics                                  |   | 2       | Others        | (To Be Announced)                  |
| Applied Marine Environmental Studies | Etchujima | 1st      |           |        | ☆ | Institutions of Ocean Resources                           |   | 2       | Others        | (To Be Announced)                  |
| Applied Marine Environmental Studies | Shinagawa | 2nd      |           |        | ☆ | Advanced Social Communication                             |   | 2       | Others        | (To Be Announced)                  |
| Applied Marine Environmental Studies | Etchujima | 1st      | Mon.      | 2      |   | Applied Superconductivity                                 |   | 2       |               | (To Be Announced)                  |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Mon.      | 2      |   | Mechanical Engineering Design                             |   | 2       |               | Tanaka Kentaro                     |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Man-Machine System  |   | 2       |               | Uchino Akiko                       |
| Applied Marine Environmental Studies | Etchujima | 1st      | Mon.      | 4      |   | Marine Environmental Engineering                          |   | 2       |               | Iwasaka Naoto                      |
| Applied Marine Environmental Studies | Etchujima | 1st      | Mon.      | 4      |   | Advanced Environmental Materials                          |   | 2       | Bld.1 Rm.115  | Motoda Shinichi                    |
| Applied Marine Environmental Studies | Etchujima | 1st      | Mon.      | 5      |   | Robot Control Technology                                  |   | 2       |               | Shimizu Etsuro                     |
| Applied Marine Environmental Studies | Etchujima | 1st      | Tue.      | 2      |   | Engineering on Offshore Structure                         |   | 2       | Others        | Masuda Mitsuhiro                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Tue.      | 2      |   | Material Surface Engineering                              |   | 2       | Others        | Jibiki Tatsuiro,Toshikazu FUJINO   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Tue.      | 3      |   | Satellite Positioning System                              | E | 2       |               | Kubo Nobuaki                       |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Tue.      | 4      |   | Marine Culturology  |   | 2       |               | Iwabuchi Akifumi                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Wed.      | 1      |   | Marine Propulsion Engineering                             |   | 2       |               | Tsukamoto Tatsuro                  |
| Applied Marine Environmental Studies | Etchujima | 1st      | Wed.      | 3      |   | Power Electronics   |   | 2       |               | Kifune Hiroyasu                    |
| Applied Marine Environmental Studies | Etchujima | 1st      | Wed.      | 2      |   | Thermal Energy Equipment Engineering                      |   | 2       |               | Inoue Norihiro                     |
| Applied Marine Environmental Studies | Etchujima | 1st      | Wed.      | 4      |   | Computational Fluid Dynamics                              |   | 2       | Others        | Yoshioka Satoshi                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Wed.      | 5      |   | Seminar on Transport Policy                               |   | 2       |               | Terada Kazushige                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Wed.      | 5      |   | Turbo-power Engineering                                   |   | 2       |               | Osakabe Masahiro                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Thu.      | 3      |   | Marine System Control Engineering                         |   | 2       | Others        | Zhang Feifei                       |
| Applied Marine Environmental Studies | Etchujima | 1st      | Fri.      | 2      | ☆ | Special Topics in Seakeeping Performance                  | 0 | 2       |               | (To Be Announced)                  |
| Applied Marine Environmental Studies | Etchujima | 1st      | Fri.      | 4      |   | Environment Energy Engineering                            |   | 2       | Others        | Hazuku Tatsuya                     |
| Applied Marine Environmental Studies | Etchujima | 1st      | Fri.      | 5      |   | Optical Engineering                                       |   | 2       | Others        | Murayama Toshiyuki                 |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Seminar on Marine Environmental Engineering               |   | 2       |               | Iwasaka Naoto,Kobashi Fumiaki      |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | System Safety Engineering Seminar                         |   | 2       |               | Suyama Koichi                      |
| Applied Marine Environmental Studies | Shinagawa | 1st      | Intensive |        |   | Marine Culturology Practice                               |   | 2       |               | Iwabuchi Akifumi                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Knowledge Information Systems Engineering                 |   | 2       |               | Furuya Tadasuke                    |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Satellite Navigation Engineering                 | E | 2       | Others        | Kubo Nobuaki                       |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Optimal Guidance and Control of Marine Vehicles           |   | 2       | Others        | Okazaki Tadatsugi                  |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Case Study on Engineering on Offshore Structure           |   | 2       | Others        | Minami Kiyokazu                    |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Lecture on Marine Safety Management Engineering  |   | 2       | Others        | Minami Kiyokazu                    |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Navigation Support System                        |   | 2       |               | Shoji Ruri                         |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Special lecture for management of ship's safe operation   |   | 2       | Others        | Takemoto Takahiro,Kunieda Yoshiaki |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Maritime Transport and Ship Performance                   |   | 2       |               | Ueno Michio                        |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Maritime Radio Communication and Surveillance Engineering |   | 2       |               | Yonemoto Naruto,Sakai Takeyasu     |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Special Seminar on Safety Engineering                     |   | 2       |               | Osamu AMAI                         |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Supply Chain Optimization                        |   | 2       |               | Kubo Mikio                         |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Physical Distribution Engineering                         |   | 2       |               | Kurokawa Hisayuki                  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Special Lecture on the Industrial Organization            |   | 2       |               | Okumura Yasunori                   |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Special Lecture on the Industrial Structure               |   | 2       |               | Nakagawa Yuji                      |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Industrial Organization and Policy in Transport Policy    |   | 2       |               | Endo Nobuaki                       |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Applied Analysis                                 |   | 2       | Others        | Takenawa Tomoyuki                  |
| Applied Marine Environmental Studies | Etchujima | 1st      | Intensive |        |   | Advanced Underwater Acoustics                             |   | 2       |               | Ochi Hiroshi                       |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Mon.      | 2      |   | Lecture on Statistical Methods for Marine Engineering     |   | 2       |               | Iwasaka Naoto,Kobashi Fumiaki      |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Tue.      | 1      |   | Environmental Management on Intermodal Transportation     | E | 2       |               | Watanabe Yutaka                    |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Wed.      | 2      |   | Engineering Risk Assessment and Management                |   | 2       |               | Suyama Koichi                      |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Wed.      | 3      |   | Control System Design                                     |   | 2       |               | Suyama Koichi                      |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Wed.      | 3      |   | Perceptual Information Processing                         |   | 2       |               | (To Be Announced)                  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Thu.      | 2      |   | Advanced Transportation System Planning                   |   | 2       | Bld.2 Rm.2202 | Hyodo Tetsuro                      |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Fri.      | 2      |   | Heat Transfer Phenomena                                   |   | 2       | Bld.1 Rm.112  | Jige Daisuke                       |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Fri.      | 2      |   | Advanced Floating Body Utilization System Engineering     |   | 2       |               | Ohsawa Hiroyuki                    |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Knowledge Information Systems Laboratory                  |   | 2       | Others        | (To Be Announced)                  |

"E" = Carried out in English.

"★" = Not done the study registration with the LiveCampus

"☆" = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                               | Campus    | Semester | Day       | Period | ★ | Subjects  | E | Credits | Classrooms | Instructors   |
|--------------------------------------|-----------|----------|-----------|--------|---|---|---|---------|------------|---|
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Intelligent Ocean Robotics  |   | 2       | Others     | Kondo Hayato  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments on Intelligent Ocean Robotics                           |   | 2       | Others     | Kondo Hayato  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Route Design Engineering  |   | 2       | Others     | Tamaru Hitoi  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Practice of Route Design Engineering                                |   | 2       | Others     | Tamaru Hitoi  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Laboratory on Satellite Positioning System                          | E | 2       | Others     | Kubo Nobuaki  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments of OPTimal Guidance and Control of MarineVehicles       |   | 2       | Others     | Okazaki Tadatsugi   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        | ☆ | Experiment of Marine Safety System                                  |   | 2       | Others     | Minami Kiyokazu   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        | ☆ | Seakeeping Systems and Experimentation                              |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Insurance Contract Law on Marine Risk Management                    |   | 2       | Others     | Kaneoka Kyoko   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Practice of Navigation Support System                               |   | 2       |            | Shoji Ruri  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Exercise in special lecture for management of ship's safe operation |   | 2       | Others     | Takemoto Takahiro,Kunieda Yoshiaki                            |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Advanced Lecture on Laws of Marine Transport System                 |   | 2       | Others     | Henmi Shin  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Exercise of Maritime Transport and Ship Performance                 |   | 2       |            | Ueno Michio   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Exercise of Transportation and Logistics Engineeringoperation       |   | 2       | Others     | Hyodo Tetsuro,Kubo Mikio                                      |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments for Transportation Information Systems                  |   | 2       | Others     | Watanabe Yutaka,Kurokawa Hisayuki,Watanabe Daisuke            |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Special Lecture on the Distribution Economy                         |   | 2       | Others     | Nakagawa Yuji,Endo Nobuaki, Terada Kazushige,Okumura Yasunori |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Advanced Mathematical Sciences                                      |   | 2       | Others     | Konno Hitoshi   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Advanced Algorithms for Logistics                                   |   | 2       |            | Hashimoto Hideki  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Advanced Spatial Information Engineering                            |   | 2       |            | Watanabe Daisuke  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Exercise of Spatial Information Engineering                         |   | 2       |            | Watanabe Daisuke  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments of Robot Control Technology                             |   | 2       |            | Shimizu Etsuro  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiment of Marine System Control                                 |   | 2       | Others     | Zhang Feifei  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Mathematical System Design Engineering                              |   | 2       |            | Tahara Junichiro  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Exercise of Mathematical System Design Engineering                  |   | 2       |            | Tahara Junichiro  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Turbo-power Experiments   |   | 2       |            | Osakabe Masahiro  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments in Marine Propulsion Engineering                        |   | 2       | Others     | Tsukamoto Tatsuro   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Seminar in Environment Engineering                                  |   | 2       | Others     | Hazuku Tatsuya  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Power Electronics Experiment  |   | 2       |            | Kifune Hiroyasu   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments on Material Surface Engineering                         |   | 2       |            | Jibiki Tatsuhiro,Toshikazu FUJINO                             |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments on Advanced Environmental Material                      |   | 2       |            | Motoda Shinichi   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiment on Thermal Energy Equipment Engineering                  |   | 2       |            | Inoue Norihiro  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments on Applied Superconductivity                            |   | 2       |            | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Computational Fluid Dynamics Seminar                                |   | 2       | Others     | Yoshioka Satoshi  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experiments in Optical Engineering                                  |   | 2       | Others     | Murayama Toshiyuki  |
| Applied Marine Environmental Studies | Shinagawa | 2nd      | Intensive |        |   | Experiments for Mechanical Engineering Design                       |   | 2       | Others     | Tanaka Kentaro  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Experimentation in Underwater Vehicle System                        |   | 2       |            | Ishibashi Shojiro   |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | SONAR System Experiment   |   | 2       |            | Ochi Hiroshi  |
| Applied Marine Environmental Studies | Etchujima | 2nd      | Intensive |        |   | Floating Body Utilization Engineering System Experiment             |   | 2       |            | Ohsawa Hiroyuki   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        |   | Measuring in Ocean  |   | 2       | Others     | Murai Koji  |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        |   | Experiment on Measuring in Ocean                                    |   | 2       | Others     | Murai Koji  |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        |   | Engineering of Underwater Vehicle System                            |   | 2       | Others     | Ishibashi Shojiro   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        | ★ | Internship in Applied Marine Environmental Studies I                |   | 1       | Others     | Kanda Jota  |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        | ★ | Internship in Applied Marine Environmental Studies II               |   | 1       | Others     | Kanda Jota  |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Advanced Marine Safety and Propulsion System Design                 |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Seminar in Marine Safety and Propulsion System Design               |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Marine Traffic System Design  |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Seminar in Marine Traffic System Design                             |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Special Lecture of Logistics Systems                                |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Special Lecture on Infrastructures Investment Policies              |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Integrated Logistics Information Systems Engineering                |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Telecommunication Control   |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Telecommunications Control Engineering                              |   | 2       | Others     | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 1st      |           |        | ☆ | Functional Material Engineering                                     |   | 2       |            | (To Be Announced)   |
| Applied Marine Environmental Studies | Etchujima | 2nd      |           |        | ☆ | Experimental Course of Functional Material Engineering              |   | 2       | Others     | (To Be Announced)   |

“E” = Carried out in English.

“★” = Not done the study registration with the LiveCampus

“☆” = Not carried out in 2020 academic year

Class Schedule(2021 Academic Year)

| Course                               | Campus    | Semester | Day       | Period | ★ | Subjects   | E | Credits | Classrooms | Instructors       |
|--------------------------------------|-----------|----------|-----------|--------|---|--|---|---------|------------|-------------------|
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Heat Engine Technology                               |   | 2       | Others     | (To Be Announced) |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Experiments in Heat Engine                           |   | 2       | Others     | (To Be Announced) |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Thermal and Environmental Engineering                |   | 2       | Others     | (To Be Announced) |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  |           |        | ☆ | Experiments on Thermal and Environmental Engineering |   | 2       | Others     | (To Be Announced) |
| Applied Marine Environmental Studies | Etchujima | 1st-2nd  | Intensive |        |   | Experiment of Heat Transfer Phenomena                |   | 2       | Others     | Jige Daisuke      |