

Course Title	Social Implementation of Data Science		
Department/Course	Graduate School of Marine Science and Technology Doctoral Course		
Category/Specializations	<Graduate School Subjects>		
Year Offered	1st	Class	10
Required or Elective	elective	Credit	2
Semester	Second Semester	Course Type	
Day/Period	INTENSIVE	Lecture Room	
Chief Instructor	Takenawa Tomoyuki		
Instructors	Takenawa Tomoyuki,		
Theme & Objectives	<p>The goal is to train innovators and highly specialized experts who will lead the social implementation of artificial intelligence, or human resources who will formulate ocean-related policies.</p> <p>By learning the content that the real world is looking for in AI and watching to actual examples that have been implemented, we will acquire the ability to autonomously disseminate problem-solving means by AI to society.</p> <p>From Udemy or similar educational materials, select lectures (Japanese or English) related to (1) data science, (2) business, (3) DX, etc. according to each student's interests, and each student will present what they have learned. 1-2 people will make presentations at each class, and group discussions will be held based on the presentations. Each student will make multiple presentations.</p> <p>Students will visit the Port and Airport Research Institute (PARI) with the instructor to discuss and practice the experimental facilities.</p> <p>Classes will be conducted in either Japanese or English.</p>		
Evaluation Method	Presentation: 60% Activeness to participate in class: 40%		
Other Information	The class is limited to students participating in the development of WISE Program to foster AI Professionals for Marine Industries. Classes are conducted in Japanese or English. Conduct face-to-face or in real-time online. Classes are scheduled starting in June. The time will be decided in consultation with registrants.		
Relation to SDGs	4 Quality education 9 Industry, innovation and infrastructure		