ALC 2025 Time Schedule

Course theme: Global issues related to Suistainable Development

	Date	Organizer	Lecture 1 CEST 09:00-10:00 JST 16:00-17:00				Lecture 2 CEST 10:15-11:15 JST 17:15-18:15			
			Lecturer	Theme	Goal	AL Teaching Method	Lecturer	Theme	Goal	AL Teaching Method
1	19-Jun	IUMSAI	**Prof. Dekov Vesselin** Dept. of Ocean Sciences	Seafloor Mineral Resources	To give the students an idea for the marine mineral resources of the near future	Lecture 40 minutes + discussions 20 minutes	**Prof. Manabu Watanabe** Dept. of Food Science and Technology	Frozen food preservation and cold chain	Understanding frozen food preservation principles to consider sustainable food systems	**Lecture + Breakout room**
2	20-Jun	UiT	**Assoc.Prof. Tae Eun Kim** Dept. of Technology and Safety	Technologies and systems in autonomous maritime operations	To give the students an idea about the "how" behind autonomy at sea.	45 lecture + group work + Q&A	**Assoc.Prof. Tae Eun Kim** Dept. of Technology and Safety	Operational, regulatory and ethical challenges in autonomous maritime operations	To give the students an idea about the "so what and now what?" of putting these systems into practice.	45 lecture + group work + Q&A
3	23-Jun	NORD University	**Prof. Mark Costello** Faculty of Biosciences and Aquaculture	Myths and misunderstandings about marine protected areas	Increase knowledge in MPA.	Lecture + discussion	**Prof. Barry Costa-Pierce** Faculty of Biosciences and Aquaculture	Progress on the SDGs Using Ecological Aquaculture and the FAO Ecosystem Approach to Aquaculture	Increase knowledge on the importance of aquatic food systems and the ecological interactions of aquaculture	**Flipped classroom**
4	24-Jun	University of Stavanger	**Prof. Ragnar Tveterås** UiS School of Business and Law Dept. of Innovation, Management and Marketing	Innovation and Sustainability in Aquaculture	Give the students an overview of the aquaculture sector and markets, the challenges they face (environmentally, politically, technologically, etc.), and how they are tackling these challenges with innovative solutions	**Lecture + Breakout room**	**Assoc. Prof. Krista Kaster** Dept. of Chemistry, Bioscience and Environmental Engineering	Marine Oil Spills	To give a basic understanding of the fate oil in the marine environment, oil spill clean up and the microbiological response to oil in the environment	Lecture with group work and discussion and data analysis
5	25-Jun	NTNU	**Prof. Jørgen Lerfall** Head of the Food Science Division Dept. of Biotechnology and Food Science	Marine food resources - quality and sustainability	To give students a brief introduction to marine food resources and factors affecting quality and sustainability	Lecture with group work, discussion and data analysis	**Assoc. Prof. Ida-Johanne Jensen** Dept. of Biotechnology and Food Science	Marine foods and health	To give a brief introduction about health benefits of consuming seafood	Lecture with group work, discussion and data analysis
6	26-Jun	SDU	**Assoc. Prof. Kazumasa Oguri** Dept. of Biology	Chemosynthetic marine ecosystems	Understand chemoautotroph, chemosyntiesis and symbionsis. What are the differences between chemosynthetic and photosynthesis-based ecosystems?	**Lecture and discussion with Poll Everywhere .**	**Assoc. Prof. Jamileh Javidpour** Dept. of Biology	Marine Invasive Species	Introduce marine invasive species ecology, definitions, patterns and possible mitigation strategies	**Lecture and interactive discussions (Chat)**
7	27-Jun	DTU	**Dr. Raphaël E.G. Mounet** DTU Construct (Challenges and potential for ocean science of operating unmanned surface vehicles in complex wave environments)	Autonomous surface vehicles in the ocean wave environment	Introduce the challenges of operating unmanned vehicles in complex wave systems, and explore their potential for ocean science and weather monitoring	**45min presentation + discussion with word cloud**	**Dr. Zhilong Wei** DTU Construct (Experimental and Theoretical Investigations of Hydrodynamic Loads on Cultivated Seaweeds and Their Structural Responses)	Ocean bio farming	Introduce hydrodynamic challenges in modelling cultivated seaweeds and the approaches to address them	45min presentation + Q&A session
8	30-Jun	IUMSAI SDU NORD University	Presentation/Report Session				Presentation/Report Session			