

Interdisciplinary lecture – spring 2022.

All you want to know about climate change and its impact from the ocean perspective.

1. Sustainable world in times of global changes. Lecture (3 h)

Lecturer: Assoc. Prof. Tymon Zieliński

- a. UN Decade of Ocean Science for Sustainable Development (2021-2030).
- b. Sustainable Development Goals.
- c. Social implications of climate changes.

2. Ocean and climate. Lecture (15 h)

Lecturer: Prof. Jacek Piskozub

- a. History of climate studies.
- b. System ocean-atmosphere.
- c. Role of oceans in climate.
- d. Principle factors, which affect climate.
- e. The Baltic Sea in climate change times.
- f. Local problems related to climate change.
- g. How to discuss controversies around climate change?

3. Environmental aspects of climate changes. Lecture (12 h)

Lecturers: Prof. Jan Marcin Węśławski, Dr Joanna Piwowarczyk.

- d. The state of the Baltic Sea environment.
- e. Systems for natural environment valorization.
- f. Evaluation of environmental impact.
- g. Sociology and economy in environmental studies.
- h. Environmental pollution.
- i. Choice of study methods for environmental inventory and valorization.
- j. Description of the predicted, climate related changes in the environment of the Puck Bay. Social impact of these changes.
- k. Environmental valorization of a chosen marine area. A case study.