



University
of Gdańsk



Fahrenheit
Universities

Certificate of Completion

IT IS HEREBY CERTIFIED THAT

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has satisfied the academic requirements of, and therefore completed,
the summer school named below.

Pollution in Coastal Areas – POLCA

duration of 60 hours (equivalent to 4 ECTS)

This summer school was operated by the Faculty of Oceanography
and Geography of the University of Gdańsk and took place
in Professor Krzysztof Skóra Hel Marine Station, Poland.

14 – 21 June 2023

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Project manager
dr. Ilona Kamińska

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Deputy Dean for Education
Faculty of Oceanography and Geography

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Summer School Coordinator



Description of the learning outcomes

Knowledge

1. Students understand and correctly describe the basic physical, biological, chemical and geological phenomena, and natural processes taking place in aquatic environment with a particular focus on marine environment.
2. Students know the importance of basic techniques, research methods and tools used to describe and interpret phenomena and processes occurring in the aquatic environment.
3. Students are able to describe basic concepts related to the functioning of coastal areas in the Baltic Sea.
4. Students recognize potential threats to aquatic environment resulting from the development of civilization, in particular from intense human impact in the coastal areas of the seas.

Skills

1. Students are able to plan research and measurements individually and in teams, both in the field and in a laboratory, using appropriately selected measuring and analytical techniques, adequate to the research problem.
2. Students are able to analytically and synthetically elaborate research and analysis results, and on their basis, draw correct conclusions.
3. Students are able to work individually and cooperate in laboratory and field groups, performing various functions and performing various tasks in them.
4. Students are aware of the risks and threats associated with working as an oceanographer in the laboratory, at sea and on land, apply the principles of safety at work.

Social competence

1. Students are able to effectively organize their own work, be self-critical and draw conclusions based on self-analysis, comply with the principles of professional ethics.
2. Students are able to solve cognitive and practical problems in the field of marine science taking into account the acquired knowledge.
3. Students are able to consciously and reliably assess the impact of human activities on the marine environment.