Interreg South Baltic — Co-funded by the European Union

University of Gdańsk

aqua loop

"AquaLoop cross-border student exchange program"

PROGRAM CURRICULUM
for students from the University of Rostock visiting the University of Gdańsk

Program venue: Faculty of Oceanography and Geography, University of Gdańsk, al. Marszałka Piłsudskiego 46, 81-378 Gdynia, Poland
Program start and meeting point: January 7th 2025 (Tuesday) 8.30 a.m. ground floor, faculty main building

Agenda *Daily agenda might be subject to slight changes. Lunch breaks and any other adjustments will be planned with the participants.	
January 6th, Monday	Arrival in Gdynia
January 7th, Tuesday 8.30 – 16.30	Welcome, introduction to AquaLoop project and pilot 1: TARAS, safety instructions for working in the labs Microalgae – Part 1 • Presentation: Introduction to microalgal growth • Presentation: Waste water as medium for microalgal growth • Practical work: Waste water sampling, analyses of water chemistry, media preparation, growth monitoring techniques, setting up an experiment Get together dinner
January 8th, Wednesday 8.30 – 16.30	Shrimps – Part 1 • Presentation: Introduction to the method of determining energy available for growth in shrimps • Practical work: daily routine activities (water parameters monitoring, food preparation, feeding, behaviour observation, tank cleaning, water exchange procedure) • Practical work: Determination of energy and organic matter contents in food • Practical work: Analyses of food consumption and faeces excretion rates
January 9th, Thursday 9.00 – 18.00	Field trip to K1/K2 Trout Farm (RAS facility) Afternoon sightseeing
January 10th, Friday 8.30 – 16.30	Shrimps – Part 2 • Practical work: analyses of respiration and ammonia excretion rates • Practical work: Calculation of energy available for growth • Shrimp Section Summary
January 11th, Saturday 8.30 – 16.30	Microalgae – Part 2 • Presentation: Microalgal biomass characteristics and its uses • Practical work: Microalgal growth monitoring and finishing an experiment, biomass characteristics. • Microalgae Section Summary
January 12th, Sunday	Departure

Program curriculum at the University of Gdańsk is based on **Pilot 1: TARAS Testing Algae Applications in Recirculating aquaculture systems (RAS) to improve aquaculture circularity potential in the SB region** carried out within the AquaLoop project. Daily activities will be mostly experimental/laboratory work and students will be engaged in daily routine activities based on the pilot. Program also includes a study trip to an aquaculture facilities in the area (K1/K2 Trout Farm), sightseeing and networking activities with students from the University of Gdańsk.

The program will take 5 working days/app. 8h/day, and will be ran in English by the following instructors:
Prof. Monika Normant-Saremba, monika.normant@ug.edu.pl
Dr. Joanna Hegele-Drywa, joanna.hegele-drywa@ug.edu.pl
Dr. Filip Pniewski, filip.pniewski@ug.edu.pl



In case you have any questions, please contact your coordinator or directly University of Gdańsk, Basia Dmochowska: b.dmochowska@ug.edu.pl
See you in Gdynia, University of Gdańsk!