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## "AquaLoop cross-border student exchange program"

## PROGRAM CURRICULUM for students from the Klaipeda University 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 27<sup>th</sup> 2025 (Monday) 8.30 a.m. ground floor, faculty main building

January 26 <sup>th</sup> , SundayArrival in GdyniaJanuary 27th, MondayWelcome, introduction to AquaLoop project and pilot 1: TARAS, safety instructions for working in the labs Microalgae – Part 18.30 – 16.30Presentation: Introduction to microalgal growth • Presentation: Waste water as medium for microalgal growth • Presentation: Waste water as medium for microalgal growth • Presentation: Waste water as medium for microalgal growth • Presentation: growth monitoring techniques, setting up an experimentJanuary 28 <sup>th</sup> , Tuesday 8.30 – 16.30Shrimps – 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: Analyses of food consumption and faeces excretion rates • Practical work: Analyses of respirationJanuary 29 <sup>th</sup> , Wednesday 9.00 – 18.00Field trip to K1/K2 Trout Farm (RAS facility) Aftermoon sightseeing • Practical work: Calculation of energy and organic matter contents in food • Practical work: Calculation of energy available for growth • Shrimps – Part 2 • Practical work: Calculation of energy available for growth • Shrimp S – Part 2 • Practical work: Calculation of energy available for growth • Shrimp S ection SummaryJanuary 31 <sup>th</sup> , Friday 8.30 – 16.30Microalgae – Part 2 • Presentation: Microalgal biomass characteristics and its uses • Practical work: Microalgal growth monitoring and finishing an experiment, biomass characteristics. • Microalgae Section Summary	Agenda	
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	February 1 <sup>st</sup> , Saturday	Departure

Program curriculum at the University of Gdańsk is based on <u>Pilot 1: TARAS Testing Algae</u> <u>Applications in Recirculating aquaculture systems (RAS) to improve aquaculture</u> <u>circularity potential in the SB region</u> 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, <u>monika.normant@ug.edu.pl</u> Dr. Joanna Hegele-Drywa, <u>joanna.hegele-drywa@ug.edu.pl</u> 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: <u>b.dmochowska@ug.edu.pl</u> See you in Gdynia, University of Gdańsk!

