



**MARMARA UNIVERSITY
FACULTY OF ENGINEERING
ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197/4198 ENGINEERING PROJECT
PROPOSAL FORM
FALL 2023-2024**

Instructor: Elif Soyer

Project Title: Development of a specific water quality index for drinking water reservoirs

Proposal No: 1

Number of Students: 3

Requirements (from students): Students are required to learn/use MATLAB to analyze data in this project. Progression on the work will be presented once every two weeks. An extended summary of the interpretations and conclusions in a scientific paper format is expected at the end of the study.

Scope of the Project: Water quality indices proposed in the literature will be examined and evaluated for the use in a reservoir from which drinking water is supplied. A new water quality index will be developed by evaluating analysis of water quality parameters and previous models.

Hardware/Software/Lab/Equipment Requirements: MATLAB

Development Plan:

Gathering information about the procedures and methods will be used in this project.

Choosing and collecting appropriate models proposed in the literature.

Learning how to use MATLAB to analyze data.

Data analysis.

Interpretation of the results