**MARMARA UNIVERSITY**

**FACULTY OF ENGINEERING**

**ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197/4198 ENGINEERING PROJECT**

**PROPOSAL FORM**

**SPRING 2022-2023**

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| **Instructor : Doç. Dr. Neslihan Semerci**  **Project Title:** Energy Balance Calculations of an Innovative Energy-Positive Wastewater Treatment Process  **Proposal No. : NSemerci\_1**  **Number of Students : 2**  **Requirements (from students) : -** |
| **Scope of the Project :** Energy balance(energy consumption and production) calculations will be carried out for a pilot plant operated as a modified contact stabilization process in Paşaköy Wastewater Treatment Plant. Comparison will be made between conventional domestic wastewater treatment plants and the Innovative Energy-positive wastewater treatment plants. |
| **Hardware/Software/Lab/Equipment Requirements :**  **MS Excel** |
| **Development Plan :**   1. **Define the energy consumption and productions items in each treatment plant** 2. **Calculation of energy consumption and production in the treatment plant.** |