



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

**ENVE 4197/4198 SENIOR DESIGN PROJECT  
PROPOSAL FORM  
FALL 2019-2020**

**Instructor :** Assoc. Prof. Bilge Alpaslan Kocamemi

**Project Title :** High Rate Activated Sludge System (A Process)

**Proposal No. :** *Bilge Alpaslan Kocamemi-1*

**Number of Students :** 2

**Requirements (from students) :** Courses on Enve 301, Enve 302 and Enve 303 as to be taken.

**Scope of the Project :**

In the scope of this project, an SBR reactor will be started-up with a mixed activated sludge. The reactor will be operated as a high rate activated sludge system and the ongoing processes will be monitored.

**Hardware/Software/Lab/Equipment Requirements :**

UV-Vis Spectrophotometer

Ion chromatograph

**Development Plan :**

Literature review will be done  
An SBR reactor will be started-up and operated  
Data Collection and Data Evaluation.