



Course Name:

Aqueous Systems Analysis Laboratory

Course Number: 20-606	Credit: 1
Program: Graduate	Course Type: Compensatory
Prerequisite: -	Corequisite: -

Course Description (Objectives):

The course aims to provide students with practical skills in analyzing water quality through physico-chemical and biological measurements. It emphasizes laboratory safety, sampling techniques, and the use of advanced analytical methods to evaluate water systems.

Course Content (outline):

- Chapter 1: Introduction, Sampling, Presentation of the results, Sensitivity and accuracy
- Chapter 2: Basic chemistry review and familiarity with the laboratory safety
- Chapter 3: Physico-chemical measurements
- Chapter 4: Chlorination
- Chapter 5: Advanced analytical devices

References:

- "Standard Methods for the Examination of Water and Wastewater," American Public Health Association (APHA), USA, 2006.
- "Chemistry for Environmental Engineering," Sawyer & McCarty, McGraw Hill Book Co., 1978.