

CE 597: Environmental Analytical Chemistry

Fall 2026

MWF 3:30 -4:20 PM, HAMP 2113

No prerequisites.

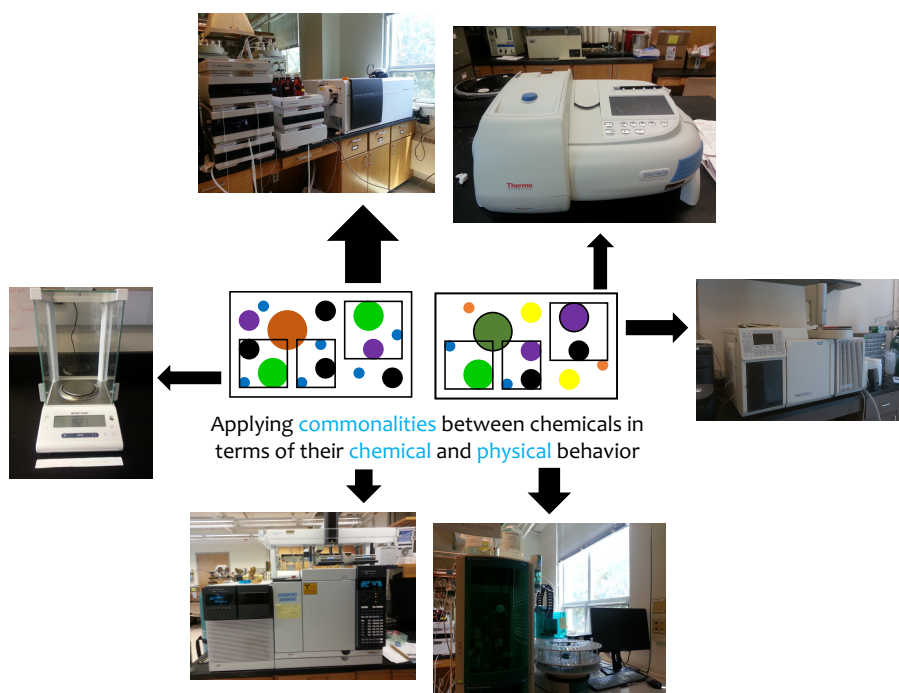
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What are the strategies and methods used to analyze contaminants in different environmental matrices (primarily water-based)???

We will evaluate the different processes and analytical tools used to answer this question.



Core topics will include:

Propagation of Error and Statistics in Data Processing

Calibration Curves

Quality Assurance and Quality Control

Spectrophotometry (UV/vis and Fluorescence)

Gas and Liquid Chromatography

Mass Spectrometry

(Some) Sample Preparation Techniques