



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Environmental Engineering Unit Operations Lab

## ENVENG 4200

**Credit Hours:**

1.00 - 1.00

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**Course Levels:**

Undergraduate (1000-5000 level)

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**Course Components:**

Lecture  
Lab

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**Course Description:**

Laboratory measurements and analysis of environmental engineering treatment processes.

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**Prerequisites and Co-requisites:**

Prereq: 2100 (610) or CivilEn 610, and EnvEng 3210 (520) or CivilEn 520. Concur: 5110 (711).

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**Course Goals / Objectives:**

- Provide students with an opportunity to work in teams
  - Provide the opportunity for students to improve technical writing skills
  - Be skilled in design of treatment facilities
  - Will be able to analyze laboratory results and interpret data
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**Course Topics:**

- Analysis of data
  - Working in teams
  - Coagulation/flocculation
  - Sedimentation
  - Filtration
  - Sorption
  - Precipitation softening
  - Disinfection
  - Design of treatment facilities
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**Designation:**  
Required