



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Environmental Engineering Unit Operations

## ENVENG 3210

**Credit Hours:**

3.00 - 3.00

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**Course Levels:**

Undergraduate (1000-5000 level)

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**Course Components:**

Lecture

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**Course Description:**

Selection and Design of Unit Operations and Processes used in Environmental Engineering.

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**Prerequisites and Co-requisites:**

Prereq: 413 or CivilEn 3130 (413), and Chem 1220 (122) or 1250 (125), or permission of instructor.

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**Course Goals / Objectives:**

- Understand the basic theory and design of common environmental engineering treatment processes
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**Course Topics:**

- Overview of environmental engineering processes
  - Water use
  - Water, air, soil quality/regulations
  - Physical treatment
  - Chemical treatment
  - Biological treatment
  - Examples of application of processes to air, soil, or water
  - Design project
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**Designation:**

Required