Last Updated: **Wednesday, December 21, 2022**

Planned Course Rotation for Environmental and Water-Resources Related Courses

The actual course offerings can be viewed online using CaneLink. For planning purposes, the course rotations are shown on the following pages. These include:

* **Environmental & Water**

1 Combined section of CET 530 and CET 630 should be offered.

Example rotation:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Semester** | **Undergraduate**  1 Section of CET 330 should be offered. | | | **Graduate** | |
| ~~Fall 2021~~ | ~~330~~ |  | ~~403~~ | ~~530/630~~ |  |

CAE Environmental and Water-Resources Related Courses\*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Semester** | **Undergraduate** | | | **Graduate** | |
| ~~Spring 2021~~ | ~~330~~ | ~~430~~ | ~~404~~ |  | ~~604~~ |
| ~~Fall 2021~~ | ~~330~~ |  | ~~403~~ | ~~530/630~~ |  |
| ~~Spring 2022~~ | ~~330~~ | ~~430~~ | ~~404~~ |  | ~~604~~ |
| ~~Fall 2022~~ | ~~330~~ |  | ~~403~~ | ~~530/630~~ |  |
| Spring 2023 | 330 | 430 | 404 |  | 604 |
| Fall 2023 | 330 |  | † | 530/630 |  |
| Spring 2024 | 330 | 430 | † |  | 604 |
| Fall 2024 | 330 |  | † | 530/630 |  |
| Spring 2025 | 330 | 430 | † |  | 604 |

\* These courses are cross-listed with corresponding CET courses.

†CET will be offering their own versions of 403 and 404.

CET Environmental and Water-Resources Related Courses

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Semester** | **Undergraduate** | | | **Graduate** | | | | | | |
| ~~Fall 2022~~ | ~~340~~ | ~~345~~ |  |  | ~~533/633~~ |  |  |  |  |  |
| Spring 2023 | 340 |  | 440 | 604 |  | 540/640 | 541/641 |  |  |  |
| Fall 2023 |  | 345 |  |  |  |  |  | 543/643 | 735 |  |
| Spring 2024 | 340 |  | 440 | 604 | 533/633 |  |  |  |  |  |
| Fall 2024 |  | 345 |  |  |  |  |  | 543/643 | 735 |  |
| Spring 2025 | 340 |  | 440 | 604 |  | 540/640 | 541/641 |  |  |  |

Probability and Statistics related courses:

* Industrial and Systems Engineering (ISE)

**ISE 712 Design of Experiments**; 3 credits Fall Semester

Design and analysis of experiments, randomized blocks, Latin Squares, factorials, multiple correlation and regression, and application to response surfaces are discussed. PREREQUISITE: IEN 311 or MAS 311 or equivalent.

* Mathematics (MTH)

**MTH 624 Introduction to Probability**; 3 credits Fall Semester

Probability spaces, random variables, expectation, limit theorems. PREREQUISITE: MTH 224, MTH 310.

**MTH 642 Statistical Analysis**; 3 credits Fall Semester

Statistical inference about one or two populations from interval, ordinal and categorical data; analysis of variance; simple and multiple linear regression; designing research studies. PREREQUISITE: MTH 210, MTH 224