

Dear Students,

CEV 468E Individual Studies course, which is included in the curriculum of Environmental Engineering Undergraduate Program in the 8th Semester, will be opened in the 2021-2022 Spring Semester.

The course comprises of comprehensive research which may originate from extensive literature study, or may be focused on one or a combination of work including modelling, simulation, management, field investigations etc., with the aim of generating original information and inference, on a research topic that the individual student will prepare under the supervision of a faculty member. Data production, analysis/synthesis, by conducting research in a way that will produce meaningful results in line with the target determined, on the one hand, and creating a contribution to the specific topic studied, on the other hand, is expected, in a way to increase the skills and self-confidence of the student through problem definition, problem solving, reporting and defending the study.

In this context, each student will be able to take this course to conduct research with a faculty member identified before the end of the first week of the semester. Due to the nature of the course, the quota of each section will be 2 students. Students will take the course after taking the consent of the faculty member and research topic within the framework of the principles.

Evaluation/grading of the course will be done according to the following criteria (given in table below). Students will submit their reports in the 13th week in accordance with the lecture plan, and will make their presentations in the 14th week. The evaluation/grading of both the term reports and the final report will be carried out only by the faculty member. Presentation evaluation will be made by the faculty member who conducted the research and two other evaluators (faculty members).

You can access the course catalog form from the link below.

https://cevre.itu.edu.tr/docs/librariesprovider38/default-document-library/cev-468_e9d5e20ca8ba94052a24bb4c2981475ce.pdf?sfvrsn=aadde75a_0

Coordinators of the course are Prof. Bilsen Beler Baykal (baykalb@itu.edu.tr) and Assoc. Prof. Nevin Yağcı (yagcin@itu.edu.tr).

Activities	Effects on Grading	Who will grade
1. Preliminary report to describe the specialized topic selected and to present the outline of the work 2. Progress report	%10	Lecturer
Final report of the research project	%60	Lecturer
Presentation	%30	Lecturer (%10) First evaluator (%10) Second evaluator (%10)

In the table below, you will find the faculty members who will contribute to this course and their research topics.

Students who want to take the course should contact the faculty member they will choose on the dates when the registrations are open (as soon as possible, at the latest on Monday, February 21), to receive their acceptance (on a first come first served basis). Students who are accepted by a faculty member should give their contact information and alternative course schedule (at least two alternatives; the day and time they can take this course) to him/her.

Students are required to learn the CRN to which they will be registered - since a faculty member can work in more than one section - by contacting the faculty member they will work with before registration.

Important note: Students who wish to take this course can contact the faculty members who are on the list or not, and send him/her the subject they want to make a research. It will be possible to participate in this course with the mutual agreement of the lecturer and the student.

Faculty members who will participate in the Individual Studies course and their proposed topics (as of 15.02.2022)

***The list will be updated as needed. You can see the updates by following this announcement.**

Öğretim Üyesi	Araştırma Konuları
Prof. Dr. Bilsen Beler Baykal	Alternatif bir su kaynağı olarak gri su ve sifon suyu olarak kullanımı / Grey water as an alternative source of water and its use in toilet flushing
Prof. Dr. Bilsen Beler Baykal	Kaynakta ayrılmış idrardan (sarı su) nütrient geri kazanımı ve gübre olarak kullanımı/ Nutrient recovery from source separated urine (yellow water) and its further use as fertilizer
Prof. Dr. İsmail Toröz	Çevre Mevzuatı uygulamaları (Çevreyi kasten kirletme olaylarının mevzuat kapsamında incelenmesi)
Prof. Dr. İsmail Toröz	Endüstriyel çevre sorunlarının ilgili mevzuatları kapsamında değerlendirilmesi (Seçilecek spesifik bir endüstriyel sektör kapsamında)
Prof. Dr. İsmail Toröz	Tehlikeli atık yönetimi kapsamında, Üniversite kampüslerinde oluşan atıklar hakkında envanter oluşturma
Doç. Dr. Nevin Yağcı	Meyve artıklarından biyoplastik üretimi
Doç.Dr Ebru Dülekürgen	Evaluation of selected agro-/food-wastes as potential filling materials for sustainable "green" acoustic panel production – A (010190933 / Amina ABDYBEK ile)
Doç.Dr Ebru Dülekürgen	Evaluation of selected agro-/food-wastes as potential filling materials for sustainable "green" acoustic panel production -B (010200918/ Vivian HAXHIRAJ ile)
Doç. Dr. Burçak Kaynak Tezel	Air pollution assessment using remote sensing measurements
Doç. Dr. Burçak Kaynak Tezel	Statistical assessment of air pollution levels
Dr. Öğr. Üyesi Türker TÜRKEN	Cost Analysis of MBR+IFAS hybrid Systems (010170411/İrem Camadan ile)
Dr. Öğr. Üyesi Türker TÜRKEN	Modelling of MBR Systems (0101704217/Nesrin Kara ile)

Important note:

- Choices/topics colored with the same colors in the table will be given in the same section. Accordingly, a total of 6 (six) sections will be opened on 16.02.2022 or later.
- Students who want to work with a faculty member who is not given in this list may take this course by contacting with him/her and deciding on the research topic. Faculty members will inform coordinators and a section will be opened for these students.

We wish you a good semester,

Prof. Bilsen Beler Baykal (baykalb@itu.edu.tr)

Assoc. Prof. Nevin Yagci (yagcin@itu.edu.tr)

(For questions about the course, you can contact Associate Professor Nevin Yağcı)