Water and Wastewater Treatment (CEGE0022)

Description
his module gives a brief overview of processes for municipal water and wastewater treatment. It includes coagulation-flocculation, sedimentation, rapid sand filtration, adsorption, ion exchange, membranes, dissolved air flotation, desinfecion; and biological wastewater treatment such as activated sludge, trickling filters, and anaerobic digestion. Most of the lectures consist of theoretical background and application exercises. The module assessment consists of a written-exam (80%) and a laboratory report (20%). Laboratory report is usually done by a group of two students. A site visit to a treatment plant is usually arranged for Reading week, however, attendance is not compulsory.

Learning Outcomes:
- To explain the aims of water and wastewater treatment
- To explain the importance of drinking water and discharge standards
- To identify and explain the main physical, chemical and biological processes for water and wastewater treatment
- To understand the main design criteria and operational parameters for water and wastewater treatment processes
- To determine the dimensions of basic treatment units

Key information
- Year: 2019/20
- Credit value: 15 (150 study hours)
- Delivery: UG L6, Campus-based
- Reading List: View on UCL website
- Tutor: Dr Luiza Campos
- Term: Term 1
- Timetable: View on UCL website

Assessment
- Find out more

Find out more
For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

Disclaimer: All information correct as of August 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.
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- Year: 2019/20
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- Delivery: PGT L7, Campus-based
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- Tutor: Dr Luiza Campos
- Term: Term 1
- Timetable: View on UCL website

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