Sustainable chemistry

ECTS
3 crédits

Composante
UFR Chimie

Volume horaire
24h

Période de l'année
Semestre 1

En bref

- **Langue(s) d'enseignement:** Anglais
- **Forme d'enseignement :** Lecture and exercise
- **Ouvert aux étudiants en échange:** Non

Présentation

DESCRIPTION

The reports from GIEC and ADEME are alerting on the important societal risks associated with climate change. Beside this aspect of the human fingerprint, the pollution of the environment gives rise to additional toxicological and epidemiological risks. Therefor rising part of the economy, industry and research implement sustainability in their policy or direct their activities in order to provide sustainable technologies. As a consequence, it is worth to provide education to the future chemist who should face this new challenge/constraint.

The course is composed of a lecture part (12h) illustrating the context of climate and ecosystem changes as well as some chemical research domain responding to sustainable development goals. Then during a second active learning part (6h), the student (group of 3-4) should on their own look for a research article reporting results that may have an impact for sustainable development. The students should present to peers (i) the scientific content and (ii) the sustainable development goal it is related to, based on reports of GIEC, ADEME, or CCC.

OBJECTIFS

The aims of this course are (i) to remind the global scientific and economic context of climate and ecosystem changes induced by human activities, (ii) to identify some domains in which chemical research and technology can implement sustainable alternatives solutions, (ii) to provide an overview of the research themes that respond to the need for sustainable development and (iv) to link research article with sustainable development goals reported in reports from GIEC, ADEME or CCC (french convention citoyenne pour le climat).

HEURES D'ENSEIGNEMENT

Sustainable chemistry	Cours Magistral	12h
Sustainable chemistry	Travaux Pratiques	12h

PRÉ-REQUIS NÉCESSAIRES

Basis of sustainable development

En bref

Pour en savoir plus, rendez-vous sur > u-paris.fr/choisir-sa-formation

Informations non contractuelles. Les formations sont proposées sous réserve d'accréditation ministrielle délivrée tous les 5 ans.
Dernière mise à jour le 20 novembre 2024

CONTACTS

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