



UE Physical chemistry of aqueous solutions - CHI431 -

 ECTS
6 crédits

 Crédits ECTS
Echange
6.0

 Composante
Département
de la licence
sciences et
technologies
(DLST)

 Période de
l'année
Printemps (janv.
à avril/mai)

- > **Langue(s) d'enseignement:** Anglais
- > **Ouvert aux étudiants en échange:** Oui
- > **Crédits ECTS Echange:** 6.0

Présentation

Description

This class is dedicated to the presentation of the physical chemistry of aqueous solution. It contains three parts: the acid-base concept, the solubility concept and the reactions that exchange electrons (redox reactions) with an opening towards electrochemical accumulators. The mutual influence between these three properties will also be studied. The description of the solution at the equilibrium will be taken care of through systematic approaches or "the leading reaction" formalism. The diagram approach will only be considered in the framework of $E = f(\text{pH})$ diagrams.

Heures d'enseignement

UE Physical chemistry of aqueous solutions - TD	TD	22,5h
UE Physical chemistry of aqueous solutions - CM	CM	18h
UE Physical chemistry of aqueous solutions - TP	TP	14h

Pré-requis recommandés

CHI131, MEP101, CHI231, CHI331, CHI302

Période : Semestre 4

Compétences visées

Description of an aqueous solution at equilibrium ; some technological applications

Bibliographie

Any book at the bachelor level available on this topic in the university library.

Infos pratiques

Contacts

Responsable pédagogique

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