

- Faculté des sciences
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Introduction to hydrogeology and hydrology (3GH2159)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en hydrogéologie et géothermie (*)	Cours: 30 pg	Voir ci-dessous	8

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Automne

Equipe enseignante

Philip Brunner

Contenu

- Introduction to hydrology : Water balance approaches, rainfall runoff relations, measurement approaches for the key components of the hydrologic cycle
- Introduction to hydrogeology: Groundwater systems, hydraulic heads, porosity, groundwater flow equation

Forme de l'évaluation

3 hours written exam (together with "Mathématiques et statistique" and "Introduction to geothermics") . If the exam is not passed, a new written exam will be organised for the next exam session.

Documentation

- course notes as handouts
- solutions to all exercices available on request

Pré-requis

basic calculus and physics
basic understanding of earth systems sciences
basic geology

Forme de l'enseignement

Theory and corresponding exercises are presented and solved during the course

(*) Cette matière est combinée avec d'autres matières pour l'évaluation