

- Faculté des sciences
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### Water supply and protection (3GH2209)

| Filières concernées                          | Nombre d'heures     | Validation      | Crédits ECTS |
|--|---------------------|-----------------|--------------|
| <b>Master en hydrogéologie et géothermie</b> | <b>Cours: 28 pg</b> | Voir ci-dessous | 3            |

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

#### Période d'enseignement:

- Semestre Printemps

#### Equipe enseignante

D. Hunkeler and B. Valley

#### Contenu

This course covers the topic of water supply and protection and includes the following topics:

- water catchment and wells
- water treatment
- water supply and climate change
- water protection in the swiss legislation
- water vulnerability
- integrated water management

#### Forme de l'évaluation

CA graded. The knowledge will be evaluated at the end of the course by a written exercise (date to be defined). In case of failure, an oral examination will be arranged in consultation with the course responsible professors.

#### Pré-requis

- Hydrological and hydrogeological processes
- Groundwater chemistry and microbiology

#### Forme de l'enseignement

Courses, exercises and excursions

#### Objectifs d'apprentissage

Au terme de la formation l'étudiant-e doit être capable de :

- Explain the concept of water supply and protection

#### Compétences transférables

- Present result of water supply and protection analyses