

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

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en hydrogéologie et géothermie</b>	<b>Cours: 30 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 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**

2 hours written exam. 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 exercises 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