

- Faculté des sciences
- [www.unine.ch/sciences](http://www.unine.ch/sciences)

### Field camp I (3GH2170)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en hydrogéologie et géothermie</b>	<b>Excursion: 5 j</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

Giona Preisig, Landon Halloran, et assistants

#### Contenu

This field course teaches hydrogeological and geotechnical mapping and classification techniques, based on the geology and stratigraphy of the Salanfe area. Hydrogeological structures and water properties (electrical conductivity, temperature) are mapped and put in context with the geological setting. Geotechnical properties are assessed via the Rock Mass Rating (RMR) system and scan lines. Classic lithostratigraphic profiles are complemented with hydrostratigraphic and geotechnical profiles. The program also includes discharge measurements and a tracer test in a karst conduit, providing first experiences with these important hydrogeological methods.

#### Forme de l'évaluation

Contrôle continu (unmarked assignment: accepted/rejected): Written report to be handed in on the last day of the field camp. The required content of the report is communicated during the introductory session.

#### Documentation

Distributed by the instructors.

#### Forme de l'enseignement

Field camp