

- Faculté des sciences
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### Field camp I (3GH2170)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en hydrogéologie et géothermie</b>	<b>Excursion: 4 j</b>	<b>controle continu: 1</b>	2

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

#### Période d'enseignement:

- Semestre Automne

#### Equipe enseignante:

Ellen Milnes, Stefanie Wirth et assistants

#### Objectifs:

Geological, geotechnical and hydrogeological field course - Salanfe (VS):  
extension of geological mapping skills by including geotechnical and hydrogeological aspects

#### Contenu:

This field course teaches geotechnical and hydrogeological mapping and classification tools, based on the geology and stratigraphy of the Salanfe area. Besides fundamental geological mapping, hydrogeological structures and water properties (electrical conductivity, temperature) are mapped. Geotechnical properties are assessed via the Rock Mass Rating (RMR) system and scan lines. Classic lithostratigraphic profiles are complemented with hydrostratigraphic and geotechnical profiles. During the course, a tracer test in a karst conduit and the measurement of river discharge is realized, providing a first contact with these important hydrogeological methods.

#### Forme de l'évaluation:

Contrôle continu. Written report to be handed in. Required content of the report is communicated during the introductory session.

#### Documentation:

Distributed by the instructors.

#### Forme de l'enseignement:

Field camp