

A single year

Compulsory courses

STFE2002-1 *Final work* - COLLÉGIALITÉ - - - **15**

Notice : This project must be related to a natural hazard within the student's competence

Multidisciplinary teaching related to natural hazards

Coordinator : Marianne VON FRENCKELL (ULg)

RISQ2000-1 *Introduction to natural hazards* - Pierre OZER 6 6 - **1**

RISQ2001-1 *General methodology of risk analysis* - N... 6 6 - **1**

ENVT0742-2 *Environmental problems* - Marianne VON FRENCKELL 12 24 - **4**

Risk Analysis Tools

Coordinator : André OZER (ULg)

ENVT0777-2 *Teledetection applied to the natural environment* - N..., André OZER 12 24 - **3**

GEOG2000-1 *Introduction to Geographic Information Systems* - N... 12 24 - **3**

RISQ2002-1 *Methodology for collecting and processing information applied to risk analysis* **5**

- *Analyse des systèmes et modélisation* - Bernard TYCHON 12 12 -

- *Instrumentation et capteurs en milieu naturel* - Bernard TYCHON 6 6 -

- *Traitement de l'information environnementale - outils statistiques et mathématiques* - 12 12 -

Jacques NICOLAS

Tools to Manage Natural Risks and Help for Decision-making

Coordinator : Pierre OZER (ULg)

ENVT0752-1 *Major risks: analysis, prevention, management* - COLLÉGIALITÉ, N... 12 12 - **2**

RISQ2011-1 *Education, awareness, communication* - COLLÉGIALITÉ, N... 12 12 - **2**

RISQ2012-1 *Regional Planning and Natural hazards Management* - N... 12 12 - **2**

ENVT0749-1 *Decision-making aid: methods of multicriteria analysis* - Jean-Jacques BOREUX 12 12 - **2**

HULG2014-1 *Design of a questionnaire survey* - Thomas DOGOT 6 6 - **1**

RISQ2013-1 *Multi-disciplinary workshops: seminars* - COLLÉGIALITÉ - 12 - **1**

Specialized teaching on natural hazards and their management

Coordinator : Roger PAUL (FUSAGx), Alain DASSARGUES (ULg)

RISQ2010-1 *Integrated practical exercises (field work during field trip to Sardinia)* - COLLÉGIALITÉ, André OZER - [72h FW] - - [+]**6**

Choose 4 courses totalling 12 ECTS from the following :

RISQ2005-1 *Natural hazards linked to atmospheric extremes and climate variability* - 18 18 - **3**
Michel ERPICUM, N..., Pierre OZER

HULG2013-1 *Agricultural and forestry production to natural hazards* - Jean-Louis DOUCET, 18 18 - **3**
Haïssam JIJAKLI, Roger PAUL

RISQ2006-1 *Natural hazards linked to land degradation: soil erosion, desertification and 18 18 - **3***
agrometeorology - Pierre OZER, Bernard TYCHON, Dimitri XANTHOULIS

RISQ2007-1 *Hydrological hazards: floods, mudflows and groundwater overexploitation* - 18 18 - **3**
Alain DASSARGUES, François PETIT, Michel PIROTON

RISQ2008-1 *Geodynamic risks: seismic risks, volcanism, land movement or landslides, rockfalls, 18 18 - **3***
karstic risks - André DEMOULIN, Hans-Balder HAVENITH, Raymond MICHEL,
Christian SCHROEDER

RISQ2009-1 *Natural hazards in coastal zones: coastal erosion, harbour protection, natural and 18 18 - **3***
induced subsidence, seawater intrusions, impact of climatic changes, tsunami -
Jean-Marie BECKERS, Alain DASSARGUES, André OZER